

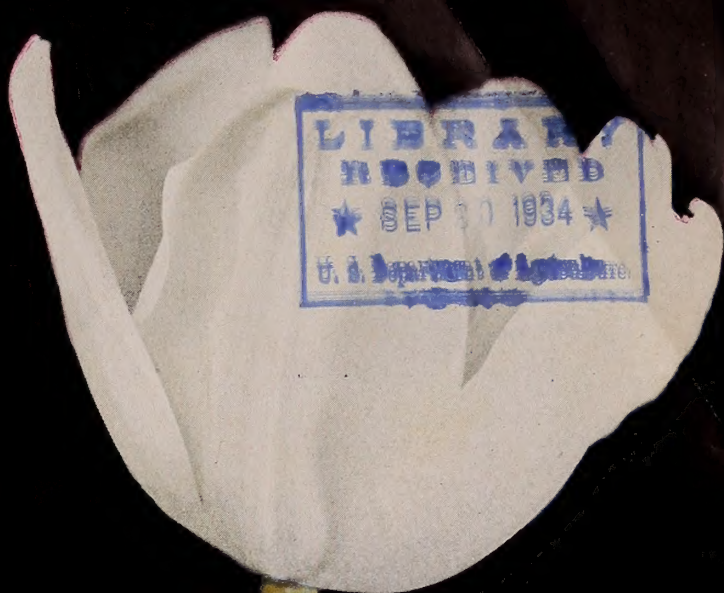
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Vaughan's

Spring-
Flowering
Bulbs

1934



No. 1 VENUS No. 2 CARRARA
No. 3 AVIS KENNICOTT
No. 4 THE BISHOP

One each (4 bulbs) as above
illustrated, separately labeled
postpaid 40c. (See page 1.)

THREE each, 12 bulbs, \$1.10

SIX each, 24 bulbs, - 2.25

TWELVE ea., 48 bulbs, 4.40

CHICAGO - 10 W. RANDOLPH ST.
NEW YORK - 47 BARCLAY ST.



INGLESCOMBE YELLOW



PANORAMA



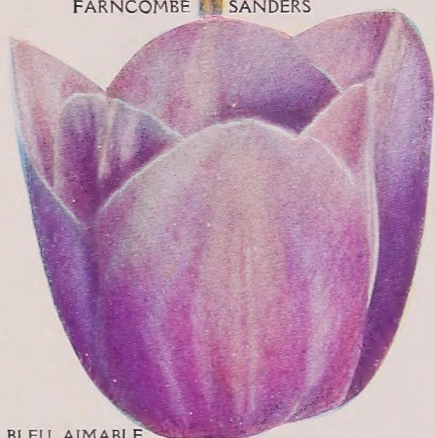
MME. KRELAGE



FARNCOMBE SANDERS



BRONZE QUEEN



BLEU AIMABLE

Vaughan's Rainbow Garden of Giant Tulips

Fifty flowering-size bulbs, five each of the ten varieties illustrated on this page: Inglescombe Yellow, Farncombe Sanders, Bleu Aimable, Louis XIV, Panorama, Princess Elizabeth, Mme. Krelage, Bronze Queen, Bartigon, and Philippe de Communes. Each variety separately bagged and labeled, prepaid 600 miles for.....

\$2



BARTIGON



LOUIS XIV



PRINCESS ELIZABETH



PHILIPPE DE COMMUNES



VAUGHAN'S FAMOUS

Rainbow Garden of Giant Tulips

50 Flowering Size Bulbs
Five Each of Ten Varieties

Darwin, Cottage and Breeder
Separately Bagged, Labeled
Prepaid 600 Miles : : \$

2

Our 1934 Rainbow Garden of Tulips—Five Each of These Ten Varieties

Illustrated in Color on Opposite Page

BARTIGON, 22 in., Darwin. A giant flower of fiery crimson, with bright scarlet margin. Its huge, cup-shaped blossoms are carried on strong stems, and a group in the border is a sight to remember.
PHILIPPE DE COMMINES, 26 in., Darwin. One of the finest violets, whose tall, dark beauty is most striking when in company with pink or yellow companions, while their color in turn is made more brilliant in contrast.
LOUIS XIV, 36 in., Breeder, a giant flower of purple and old gold, considered by many the finest of all tulips. A few years ago it sold for \$1 a bulb.

BLEU AIMABLE, 26 in., Darwin, a violet purple, with distinct steel blue shading; large flower, a leader among the violet blues which are invaluable for color contrast planting.
BRONZE QUEEN, 28 in., Breeder, a soft buff outside, inside a golden bronze. A striking color rare among flowers and luminous when planted with contrasting tones.
INGLESCOMBE YELLOW, 18 in., Cottage, a rich yellow flower which though of the Cottage class, has the cup shape of the Darwin and is sometimes called the "yellow Darwin."

PRINCESS ELIZABETH, 26 in., Darwin, largest of the soft pastel pinks, a rich rose toning to silvery rose at edges. Unsurpassed in its color.

MME. KRELAGE, 27 in., Darwin, deep pink flower with paler edging, large blossom, one of the earliest Darwins.

PANORAMA, 24 in., Breeder, a copper red with large flower, an art tone which glows in the border.

FARNCOMBE SANDERS, 25 in., Darwin, fiery scarlet with white center marked with blue; a vivid color and perfectly shaped, large blossom.

After Oct. 10 it may be necessary to change this collection. Order early to insure receiving above varieties.

No garden investment can be made which will give greater return in beauty and pleasure, than the purchase of these fifty bulbs which, if properly planted, will bloom each spring for many years, per-haps increasing in number.

Four of World's

Best Peonies

2 RED
1 WHITE
1 PINK

\$ 2⁰⁰

CATALOG VALUE \$2.75; PREPAID 300 MILES FOR

Varieties Included in This Offer

E. G. HILL. Semi-rose type, early mid-season. Flowers very large and double, borne in clusters. Color a rich tyrian red, with a fiery brilliancy not found in other varieties. Of erect, rather dwarf, compact growth, with extra strong stems. Very showy and a prolific bloomer.

FRANCIS WILLARD. A perfectly-formed flower that is found among the winning classes in every show-room. A very large, semi-rose type of bloom, often having a raised, cup-shaped center inclosing golden stamens. Opens an exquisite blush-

white, with an occasional carmine touch, changing to pure white. Of good substance and a fine cut-flower variety. Late midseason.

RICHARD CARVEL. Immense globular bomb-shaped flowers of all one shade of bright crimson that holds well in the sun. It is usually in bloom for Decoration Day and it entirely outclasses any other red in bloom so early. It is a profuse bloomer with a pleasing fragrance that is lacking in most red varieties. Tall growing, on strong stems, it is a variety of ideal habits.

REINE HORTENSE (PRESIDENT TAFT). One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more. Its flowers are among the largest of any variety that we grow and the color is a beautiful uniform light pink, center flecked crimson. Midseason. At the 1934 National Peony Show at Saint Paul this variety took the first prize for twenty blooms of one variety, light pink.

Here is a garden investment which will pay dividends for life. It seems only yesterday that these four peonies, among the outstanding show varieties, famous the world over, were one of our bargain offers at \$10.00.

Depression prices still prevail in the peony field, which makes it advisable for all garden owners whose collection of this marvelous border flower needs strengthening, to purchase this fall as many of the outstanding varieties as they may while the amazingly low prices prevail.

Is it possible to obtain a greater value at an average cost of 50 cents each, than these four outstanding named varieties of a flowering plant which will thrive in your garden for a lifetime, producing each spring dozens of giant blossoms possessing the beauty of rare jewels?

The landscape value of the peony can not be questioned. Its huge flowers, on bushes that match shrubs in size, produce an effect in the garden which no other flower can duplicate. And now these flowers have been brought to a perfection which makes a selected specimen a thing to treasure, to cover with a paper bag to prevent fading in the bright sun; to cut when it is opening and carry into the house, where from the beginning to the end of its brief life, its exquisite beauty may be enjoyed to the full.

If you have no peonies of this quality in your garden, then there is a pleasure in store for you, which need not be put off another year.

Do not form your opinion of the modern peonies, by plants of unnamed varieties which you may have or know about. Of no flower are there more out-of-date specimens surviving in gardens. Whenever a peony plant under proper treatment refuses to blossom, it should be discarded.



REINE HORTENSE

FRANCIS WILLARD

E. G. HILL

RICHARD CARVEL

A Winter

Window Garden \$1.65

18 Bulbs Including Six Different Subjects, with Vaughan's Prepared Bulb Fibre, Prepaid 300 Miles

• • •

Bulbs and Material Included in This Offer

- 3 Single Early Red Tulips, of a variety especially suited to easy forcing.
- 3 Mammoth Paper White Narcissus bulbs, 14 ctms., selected American grown stock.
- 3 Yellow Paper Whites (Grand Soliel D'Or) mammoth bulbs, producing golden yellow flowers.
- 2 Chinese Sacred Lilies, mammoth bulbs, each producing several spikes of fragrant blossoms.
- 6 Giant Freesias, Vaughan's Purity strain, bearing large snow white flowers of great fragrance.
- 1 Calla Lily bulb, first size, which may be forced into flower each year for many seasons, if properly cured.
- 2 pounds of Vaughan's Prepared Bulb Fibre, more than sufficient to use in forcing all these bulbs into brilliant bloom.



Complete Directions for Planting and Forcing All These Subjects Are Included

Window gardens are in fashion, for good reason. What more beautiful decoration for the sunparlor, or sunny living room window could be imagined than a pot stand, or shelves, upon which are flowering plants, bringing into the home memories of sunny summer gardens, to brighten winter days!

So many new pot stands are offered now, or if you prefer, shelves of glass or wood against the window itself may be used—it takes little trouble to prepare an attractive setting for your flowers.





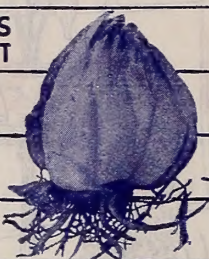



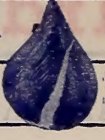

And with new methods of forcing bulbs, which banish all dirt, and require no experience, it is a simple matter to keep the garden window constantly supplied with blossoms, at amazingly small cost.

Most of you know how easy it is to force into flower the beautiful, fragrant, Paper White Narcissi, in bowls of water. By using Vaughan's prepared bulb fibre in place of pebbles, the variety of bulbs that can be forced is widely increased.

METHOD OF FORCING BULBS IN FIBRE. Moisten Vaughan's Prepared Bulb Fibre to saturation, fill the bowl with wet fibre, and plant the bulbs allowing their necks to emerge from the fibre, but without pressing the fibre too firmly around them. Place the bowl in a cool, airy place where the light is dim, or dark, and preferably the temperature does not rise above 55 degrees. Keep the fibre moist, since if it dries out the flower buds may go blind. But water sparingly until good roots have formed. When strong top growth has been made in the dark, take the bowl to a sunny window, where it will have fresh air, all the sunlight possible especially in the morning, and preferably a temperature not less than 55 nor more than 70 degrees.

By this simple method all the subjects offered in our window garden collection can be brought to flower successfully. In addition to the pleasure which the flowers will give, there is the fun of growing the plants, and the experience of watching them develop, from which you will learn many things that will be helpful in the outdoor garden.

On Pages 2, 3 and 4 many other subjects that can be forced in fibre will be found, should you wish to order them separately.

1 in.	VAUGHAN'S BULB PLANTING CHART			
2 in.				
3 in.		 CROCUS 3 in. APART		 SNOWDROPS 3 in. APART
4 in.	 SCILLAS 3 in. APART			 GRAPE HYACINTHS 3 in. APART
5 in.		 LILIUM CANDIDUM 12 in. APART		
6 in.	 HYACINTHS 8 in. APART		 NARCISSUS 6 to 8 in. APART	
7 in.			 EARLY TULIPS 5 to 6 in. APART	 LATE TULIPS 5 to 8 in. APART
8 in.				
9 in.		 HARDY LILIES 12 to 15 in. APART		

THIS CHART INDICATES THE DEPTH AND DISTANCE APART VARIOUS FALL BULBS SHOULD BE PLANTED

Page for Bulb Beginners

If a beginner in gardening sought the flowers most certain of success for his initial trial, he would be directed to the fall bulbs. If a few simple rules be observed one cannot fail with these. Within the bulb which we sell you is a flower. It has grown half way to maturity in Holland fields. Plant it in your garden in a well drained spot this fall, and it will complete its growing during the winter and early spring. Its flower will greet you before the weeds appear.

Not even cultivation is required for this harvest. No insects will prey upon the flowers of spring bulbs, and they have no diseases to require expert treatment. Of all the rewards won by the gardener, that found in the beauty of spring-flowering bulbs is the most dependable and satisfying.

A gardener may love the winter, his season of rest, when he plans by the fireside the months of enjoyment to come. But is there ever a one who fails to grow impatient and long for the day when the first flower of spring shall open?

Without the bulbs, this day would be late, indeed. The crocuses, scillas, and daffodils begin the garden season. In March (in Chicago's latitude) they thrust their heads above a desolate soil, and bring a welcome message to those who watch.

Spring-flowering bulbs prolong the garden season by a month at least. Not only that, but among them are flowers which even did they come in June, when gardens are crowded with glory, no gardener would be without.

There are in the garden season a dozen flowers that dominate, one after the other herbaceous borders. Each in its season is the headliner of the show. The complete border must contain them all, let it have what else it will. They are, in order of appearance: Daffodils, tulips, iris, peonies, larkspur and lilies, hollyhocks, phlox, dahlias (where they can be grown), zinnias, cosmos, hardy asters and chrysanthemums. From March to Thanksgiving day their pageant continues. All these may be planted in the fall, except the dahlias, zinnias, and chrysanthemums.

The purchase of spring-flowering bulbs should not be considered an expense, to be charged to one garden season. It is an investment. A stock of bulbs has been known to produce flowers in the same garden for a century.

Even the labor of lifting bulbs after flowering may be dispensed with. All do excellently when left undisturbed year after year. This practice, indeed, is recommended for the daffodils. And tulips will suffer small loss if allowed to remain in a bed where they have done well, with annual doses of bone meal, and occasional liming.

Bulb Offers for Beginners Providing Succession of Bloom

\$1.00 To introduce to you the variety and beauty of spring flowering bulbs we will send the following, all of first quality: 5 snowdrops, 5 grape hyacinths, 5 crocuses, 5 scillas, 5 May-flowering tulips, 5 daffodils—30 bulbs in all for \$1.00, postpaid.

\$2.50 We will send bulbs of the finest quality of the following: 10 snowdrops, 10 grape hyacinths, 10 crocuses, 10 blue scillas, 10 May-flowering tulips, 10 mixed daffodils, 10 erythroniums, —70 bulbs in all for \$2.50, prepaid.

\$5.00 We will send bulbs of the finest quality of our selection, all named varieties, or single colors, no mixtures, bagged separately with names on bags, the following assortment: 20 snowdrops, 20 grape hyacinths, 20 crocuses, 20 scillas, 20 May-flowering tulips, 20 mixed daffodils, 20 erythroniums, 12 calochortus mixed—152 bulbs in all for \$5.00, prepaid.

\$12.00 We will send bulbs of the finest quality and of the better named varieties, bagged separately, with names on bags, the following assortment: 25 snowdrops, 25 grape hyacinths, 50 crocuses, 50 scillas, 50 Darwin tulips, 50 mixed daffodils, 25 bedding hyacinths, 25 erythroniums,—300 bulbs in all for \$12.00, NOT PREPAID.

How to Plant Bulbs

PLANT all fall bulbs except tulips as soon as they can be secured. Plant tulips when the leaves fall.

Drainage is essential. Dig the soil deeply—eighteen inches if possible, pulverize fine, and if heavy, place a cushion of sand under the larger bulbs, especially lilies.

Use no barnyard manure unless it can be spaded into the ground the spring previous to planting. Bone meal is the only safe fertilizer and should be used freely.

If planting with a dibber, take care that the bulb rests on the soil and is not "hung"—that is, left with a hole beneath it caused by the point of the dibber.

Number of Bulbs Required for Planting Circular Beds

Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 Feet.....	127	95	37	...
4 ".....	217	127	61	37
5 ".....	331	225	91	69
6 ".....	469	271	127	78
7 ".....	631	410	169	96
8 ".....	817	469	217	127
9 ".....	1027	650	271	156
10 ".....	1261	721	331	190
11 ".....	1519	940	397	240
12 ".....	1801	1027	469	271

Fertilizers are delivered within 100 miles of New York by Freight or Express at our Option.

Errata.—Prices on fertilizer in our catalog are F. O. B. Chicago. Following are New York prices.

Vaughan's High Grade Fertilizers

Vaughan's Lawn and Garden Fertilizer (6-8-6)

Five per cent nitrogen; eight per cent phosphoric acid; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$17.00; 1000 lbs., \$31.00; 2000 lbs., \$59.00.

Vaughan's Balanced Plant Ration (5-8-7)

Five per cent nitrogen; eight per cent phosphoric acid; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.40; 50 lbs., \$2.35; 100 lbs., \$3.75; 500 lbs., \$15.00; 1000 lbs., \$27.00; 2000 lbs., \$50.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 25 lb. bag, \$2.00; 150 lbs., \$10.50. Write for booklet.

Bone and Blood. Tankage. For Cabbage, Cauliflower, Corn and other crops except it is used in connection with potash salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. Price, 25 lbs., \$1.60; 50 lbs., \$2.60; 100 lbs., \$4.50; 500 lbs., \$20.00; 1000 lbs., \$35.00; 2000 lbs., \$60.00.

Blood. Dried For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds; of pot plants. Price, 100 lbs., \$5.00; 500 lbs., \$24.00; 1000 lbs., \$45.00; 2000 lbs., \$80.00.

Bloom Aid Tablets. Best for potted plants; bury each tablet about one inch down in the soil; they disintegrate rapidly; use two tablets for 4 inch pot. Directions enclosed in each package. Price per package of 115 tablets 25c; by mail 30c.

Bloom Aid Liquid Form. Quickest in action for feeding sickly and backward plants. 8 oz., bottle 50c; by mail 60c. Full direction on bottle.

Bloom Aid. Is a food for hungry plants, a complete nourishment for plants, flowers, shrubs, vegetables, trees, and lawns. Carefully blended to contain the right forms and proportions of Nitrogen, Phosphoric Acid, and Potash. Price 1 lb., 25c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; ton, \$70.00.

BONE, PURE RAW Coarse Ground. Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Price, 100 lbs., \$4.50; 500 lbs., \$20.00; 1000 lbs., \$35.00; 2000 lbs., \$65.00.

Clay's Fertilizer. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing.

Price, 7 lbs., \$1.35; 14 lbs., \$2.25; 28 lbs., \$3.75; 56 lbs., \$7.00; 112 lbs., \$13.00.

Fairway Grass Food. Compounded for the feeding of turf grasses and for no other plant or purpose. Recommended by leading turf specialists and agronomists for use on lawns, golf courses and parkways. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$18.50; ton, \$70.00.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75; 100 lbs., \$9.00.

Write for prices on larger quantities in original bags.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards. Canadian Imported.

Price, 25 lbs., \$1.20; 50 lbs., \$1.95; 100 lbs., \$3.35; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$45.00.

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. Price, 25 lbs., \$2.25; 50 lbs., \$3.75; 100 lbs., \$6.50; 500 lbs., \$30.00.

HUMUS. Recommended for top dressing or use on heavy clay soils. Price, 100-lb. bags, \$2.50; 500 lbs., \$10.00; ton, \$30.00.

Price, 5 lbs., 25c; 50 lbs., \$1.25; 100 lbs., \$2.00; 500 lbs., \$9.00; ton \$27.00.

Lime, Hydrated. For correcting of clayey and sandy soil conditions. Price, 100 lbs., \$2.50; 1000 lbs., \$20.00; 2000 lbs., \$35.00.

Leaf Mold. For correcting of clayey and sandy soil conditions. Price, 100 lbs., \$2.50; 1000 lbs., \$20.00; 2000 lbs., \$35.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3.70 per cent; total phosphoric acid, 20 per cent. Price 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$4.25; 500 lbs., \$17.00; 1000 lbs., \$31.50; 2000 lbs., \$60.00.

REGULAR BONE MEAL.—Price, 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$4.15; 500 lbs., \$16.00; 1000 lbs., \$29.00; 2000 lbs., \$56.00.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.10; 100 lbs., \$3.50; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$46.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins.

Price, 100 lbs., \$4.25; 500 lbs., \$18.50; 1000 lbs., \$32.50; 2000 lbs., \$60.00.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$2.00; 500 lbs., \$9.00; 1000 lbs., \$15.00; 2000 lbs., \$27.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash.

Price, 1 lb., 10c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; ton, \$70.00.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops. Price, 25 lbs., \$2.25; 50 lbs., \$4.25; 100 lbs., \$6.00.

Write for prices on larger quantities.

Nitrate of Soda or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.

For the Home Garden apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$4.20; 500 lbs., \$18.00; ton \$60.00.

Nitrophoska. A highly concentrated inorganic fertilizer clean and odorless. 15 per cent Nitrogen, 30 per cent phosphoric acid and 15 per cent Potash. 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75.

Write for prices on larger quantities in original bags.

Peat Moss, Granulated. A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Bale of about 20 bushels, \$3.50.

Peat, Orchid. Fern roots, very useful for orchids and Azaleas. \$3.50 per sack of two bushels.

Potting Soil. (Blended) Price, 25 lbs., 75c; 50 lbs., \$1.20; 100 lbs., \$2.00.

Poultry Manure. This is a pure poultry manure, use it to enrich the soil for flowers, shrubs, lawns and garden. Price, 100 lbs., \$4.25; 500 lbs., \$18.00; 1000 lbs., \$32.50; 2000 lbs., \$55.00.

Scotch Soot (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms.

Price, 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$5.00; 500 lbs., \$23.00.

SPECIAL TRUCK AND FARM MANURE (5-8-3)

This is a good grade of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money maker to every farmer or gardener who uses it.

Price, 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$27.50; 2000 lbs., \$50.00.

Sulphate of Ammonia. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.

Price, 25 lbs., \$1.65; 50 lbs., \$3.00; 100 lbs., \$4.50; 500 lbs., \$18.00.

Super Phosphate. Twenty per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.

Price, 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.00; 500 lbs., \$12.50; 1000 lbs., \$18.00; 2000 lbs., \$35.00.

Vigoro. Is a specially prepared plant food. It contains all of the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Price, 5 lbs., 50c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

These Prices are Subject to Change Without Notice.

A Formula for Fine Lawns

Vaughan's Special "Private Estate" Contains Seed of Bent Grasses

DROUTH injury to lawns during the past summer has exceeded in extent anything in our memory. At the same time production of the fine lawn grasses was seriously reduced by unfavorable weather, which has caused prices to advance and markets are still unsettled. Still higher prices are possible and lower prices improbable.

This gives a double reason for sowing seed to restore your lawn this fall—it is the most favorable time for sowing, and the cost may be greater if you delay until spring.

Autumn is the most favorable time to make new lawns and repair old ones. The sturdy growth of seedling plants is favored by the cool nights and usually plentiful supply of moisture. As the days grow shorter and the weather cooler, the growth of the plants changes, with more root growth and less top growth and a general thickening and strengthening of the plant. Ask for our booklet on lawn making.

We carry in stock seeds of all recognized lawn and golf course grasses which can be grown from seed and on request will gladly quote prices of any type not offered on this page.

Vaughan's "Private Estate" Bent Formula FOR LAWNS "DE LUXE"

For those who are interested in bent grass we highly recommend our Private Estate formula as it will require less mowing and less attention than pure bent grass lawns.

In addition to Kentucky Blue Grass of the highest quality, to insure a foundation for your lawn, Private Estate formula includes an important proportion of bent. The bent grass will become established and spread, producing a heavier growth and smoother texture. Private Estate formula produces a fine, heavy turf, which with proper care will constantly improve, and which will be more resistant to "Brown Patch" and other diseases than pure bent.

Price, 1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.15; 10 lbs., \$6.25; 15 lbs., \$9.25; 20 lbs., \$12.20; 25 lbs., \$15.00; 50 lbs., \$28.75; 100 lbs., \$55.00.

Vaughan's "Chicago Parks" Lawn Seed The Standard Blue Grass Lawn Formula

This blend is composed of heavy, re-cleaned seed, blended according to the formula proved in our 58 years' experience to be the best for permanent lawns under American conditions and recommended by the Department of Agriculture. Re-cleaned Kentucky blue grass and red top form the bulk of this blend, which includes also white clover in the correct proportion. Our blend produces a lawn that will endure.

Price, ½ lb., 25c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.35; 5 lbs., \$2.20; 10 lbs., \$4.35; 15 lbs., \$6.45; 20 lbs., \$8.50; 25 lbs., \$10.50; 50 lbs., \$20.00; 100 lbs., \$39.00.

We offer this mixture without clover under the name of "Fairway Mixture." Prices same as Chicago Parks.

Vaughan's "Columbian" Formula for Shady Lawns or Sandy Soil

When making a lawn on sandy soil or in light shade, conditions are met with which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations. Contains Chewings Fescue.

Price, ½ lb., 30c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.50; 5 lbs., \$2.45; 10 lbs., \$4.85; 15 lbs., \$7.20; 20 lbs., \$9.50; 25 lbs., \$11.75; 50 lbs., \$22.50; 100 lbs., \$44.00.

Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. A splendid mixture. It is also satisfactory in light shade.

Price, ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.15; 10 lbs., \$6.25; 15 lbs., \$9.25; 20 lbs., \$12.20; 25 lbs., \$15.00; 50 lbs., \$28.75; 100 lbs., \$55.00.

Vaughan's No. 25 Lawn Formula

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." Sow this blend at rate of 1 lb. to every 200 sq. ft. Cut regularly to keep turf fine. Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 65c; 5 lbs., \$1.00; 10 lbs., \$1.90; 15 lbs., \$2.85; 20 lbs., \$3.80; 25 lbs., \$4.65; 50 lbs., \$9.00; 100 lbs., \$17.00.

Vaughan's Choice Lawn Mixture No. 40 Lawn Formula

Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.65; 10 lbs., \$3.20; 15 lbs., \$4.75; 20 lbs., \$6.20; 25 lbs., \$7.50; 50 lbs., \$13.75; 100 lbs., \$25.00.

On orders under \$2.00 or beyond prepaid zone, add 5c per lb. for postage. Lawn Seed orders of \$2.00 or more are prepaid to within 300 miles of Chicago or New York. On Parcel Post C. O. D. orders there is an extra charge for C. O. D. delivery.



Fancy Kentucky Blue Grass (*Poa pratensis*)

EXTRA HEAVY SUN CURED SEED—Specially re-cleaned. Price, ½ lb., 30c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.00; 20 lbs., \$9.00; 25 lbs., \$10.75; 50 lbs., \$20.00. Quantity limited this year, prepaid to 300 miles.

Fancy Seed. (Standard grade of re-cleaned blue grass.) Price, ½ lb., 25c; 1 lb., 45c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.15; 15 lbs., \$6.15; 20 lbs., \$8.00; 25 lbs., \$9.50; 50 lbs., \$17.00; prepaid to 300 miles.

Chewings Fescue (New Zealand Grown)

Seed, 5 lbs. to 1,000 sq. ft.—1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.15; 10 lbs., \$6.25; 15 lbs., \$9.25; 20 lbs., \$12.20; 25 lbs., \$15.00; 50 lbs., \$28.75; 100 lbs., \$55.00.

Rough Stalked Meadow (*Poa Trivialis*)

Seed, 1 lb. to every 300 sq. ft.—1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.75; 15 lbs., \$7.10; 20 lbs., \$9.25; 25 lbs., \$11.00; 50 lbs., \$20.50; 100 lbs., \$38.00.

Red Top Grass (*Agrostis alba*)

Extra Fancy re-cleaned solid seed. Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.15; 15 lbs., \$4.65; 20 lbs., \$6.00; 25 lbs., \$7.00; 50 lbs., \$12.00, prepaid to 300 miles.

White Clover

Extra fancy seed. Price, ½ lb., 20c; 1 lb., 35c; 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$7.95; 20 lbs., \$10.25; 25 lbs., \$12.50; 50 lbs., \$22.50; 100 lbs., \$40.00, prepaid to 300 miles.

Seed of the Bent Grasses

For lawns the Bent grass seed is preferred to the creeping Bent stolons because these types of Bent do not grow so rapidly and do not require so much top dressing. Seed at the rate of 3 to 4 lbs. per 1000 sq. ft.

ASTORIA BENT GRASS. We particularly recommend this bent for lawns. It has creeping roots and makes a splendid lawn and golf grass. Price, ½ lb., 45c; 1 lb., 80c; 1 lb., \$1.50; 2 lbs., \$2.95; 3 lbs., \$4.40; 5 lbs., \$7.25; 10 lbs., \$14.35; 15 lbs., \$21.25; 20 lbs., \$28.00; 25 lbs., \$34.50. Seed at rate of 3 lbs. per 1000 sq. ft.

EUROPEAN MIXED BENT (so-called "Creeping Bent") is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft. Ask for prices.

COLONIAL BENT GRASS makes a fine close turf of excellent color. Seed 3 lbs. per 1000 sq. ft. Ask for prices.

COCOOS BENT GRASS. We carry the genuine Cocoos Bent seed. This is a true unmixed creeping Bent grass seed. One top dressing a year will keep it in good condition.

Price, ½ lb., 40c; 1 lb., 75c; 1 lb., \$1.45; 2 lbs., \$2.90; 3 lbs., \$4.30; 5 lbs., \$7.10; 10 lbs., \$14.00; 15 lbs., \$20.75; 20 lbs., \$27.20; 25 lbs., \$33.25.

Creeping Bent Stolons

They produce a fine lawn in one season, but must have extra care, several top dressings a year and frequent mowing. For \$17.00 we will send you enough runners and roots of the grass to plant 1,000 square feet, 500 sq. ft. for \$9.50; 250 sq. ft. for \$5.25. Express charges from growing station are extra. If larger quantities are desired, ask for a special quotation. We furnish complete directions. A leaflet about Creeping Bent Stolons will be sent upon request. Fall planting from the latter part of August to the latter part of September.

Flowers You Can Grow Indoors



Lilies of the Valley

THESE beautiful, fragrant flowers may be brought to flower in 18 to 21 days, if pips from cold storage are used. They are easily forced in a bowl, if planted in sphagnum moss and kept well watered. Their dainty fragrance is preferred by many to the large Paper White Narcissi, and they are much quicker to flower. Do not order more than you intend to use at once as the cold storage pips will not keep. Plant about 25 pips in a 7-inch bowl, place in a warm temperature, 65 degrees Fahrenheit and shade from light until leaves and spikes are well developed, then admit light gradually. Increase temperature to 75 degrees or 80 degrees if possible. An inverted pot over each bowl answers admirably to shade them. They may be forced in soil the same way, in a 7-inch pot or pan. This is the treatment for cold storage pips only.

COLD STORAGE PIPS, ready November 1. 25 for \$2.00; 100 for \$6.50, postpaid.

SPHAGNUM MOSS, sufficient for 25 pips, 10c, postpaid.

LILIES ON YOUR TABLE ALL WINTER

One month covers the time from planting cold storage lily of the valley pips, through flowering, and fading. To keep your bowl filled through the winter we have arranged to book orders for divided shipments, a month apart. Cold storage pips must be planted promptly on receipt. We will send the first shipment at any date you wish (Nov. 25 will give you Christmas flowers) and will duplicate the shipment every 30 days thereafter, as long as you wish (until April 1). Minimum shipment is 25 pips, for \$2.00, prepaid to 300 miles. For two months' supply (25 each 30 days), send \$4.00; 3 months, \$6.00; 4 months, \$8.00; 5 months, \$10.00.

The Yellow Paper White (GRAND SOLEIL D'OR)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.

Mammoth bulbs. Each, 15c; per three, 40c; dozen, \$1.50; 100, \$10.00.

Paper White Narcissi to Grow in Pebbles and Water

THESE have been favorites for ages as a decoration for the living room during the coldest winter months when flowers are scarce. Their culture is simple, and with good strong bulbs such as we supply, flowering is sure. Plant bulbs in shallow bowls filled with pebbles, or fibre, and water. Keep in the dark until roots form (about 2 weeks) then bring into light. A day temperature of not over 70° is best.

Fancy selected bulbs (13 ctm.). Three bulbs for 15c; doz., 50c; 100, \$3.00; 1,000, \$25.00.

Mammoth bulbs (14 ctm.). Three bulbs for 20c; dozen, 65c; 100, \$4.50; 1,000, \$40.00.

Jumbo bulbs (15 ctm.). Three bulbs for 25c; dozen, 80c; 100, \$5.50; 1,000, \$50.00.

Chinese Sacred Lily (Narcissus)

THIS narcissus is called by the Chinese the "Joss Flower" or "Flower of the Gods," and "Water Fairy Flower." It is highly prized for the abundance of its flowers and its marvelously rapid growth. The flowers are white, with yellow cup, and very fragrant. Each bulb produces several flower-spikes. In China and Japan the bulbs are grown in the living rooms in fancy bowls filled simply with pebbles and water. Place in a sunny window by day and on a table near the center of the room by night, as frost destroys the flower buds. Care should be taken that it is not placed in a draft, as this may cause non-flowering. Recommended for Christmas flowering.

Large Bulbs. Each, 10c; three for 25c; per dozen, \$1.00; 100, \$7.00.



PAPER WHITE NARCISSI
Growing in Pebbles and Water

Bowls for Bulb Growing



Satin Finish

THESE bowls are specially shaped for bulbs and equally attractive for flowers, made of the best grade of flint glass, in a rich, beautiful satin finish, in the following colors: Nile Green, Light Blue, Rich Deep Amber and Black.

5½-inch weight, 2 lbs., each, 50c; 6½-inch, weight, 3 lbs., each, 65c; 9-inch, weight, 4 lbs., each, 85c.

F. L. Style Bowls

A pottery bowl with a matt green, blue and jet black glaze finish. Prices: 5-inch (wt. 2 lbs.), 35c; 6-inch (wt. 3 lbs.), 45c; 8-inch (wt. 4 lbs.), 75c.

For parcel post delivery add postage at zone rates.

Mottled Marble Finish Bowls

These bowls have a very artistic mottled marble effect and should not be compared with ordinary pottery bowls. 5-inch, stands on three short legs. Each, 50c; 7-inch, same shape as satin finish, each, 85c.

Gravel and Pearl Chips

Gravel for bulb bowls, 5c per lb.; 5 lbs., 20c; 10 lbs., 35c.

Pearl chips, 15c per lb.; 10 lbs., 75c.

Pearl Chips, Colored. Per lb., 15c; 10 lbs., for 85c.

For Parcel Post delivery add postage at zone rates.

Vaughan's Prepared Fibre

For Growing Bulbs in Bowls, Without Drainage. Per lb., 15c; 3 lbs., 35c; 10 lbs., 85c.

In Living Room or Sun Parlor



Amaryllis

OF ALL bulbs which the amateur can grow successfully indoors, the Amaryllis is at once the largest, most beautiful, surest to flower and most easily handled. Our new hybrids, especially, are so gorgeous in size and coloring as to amaze those not familiar with them. From a single stem, spring from one to three lily-like flowers, six to eight inches in diameter.

Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring to light.

After flowering they should be placed in a warm window, or set outside in sand or cinders and watered every day (sometimes twice a day), until the end of August when water should be gradually withheld and the bulbs allowed to go to rest. In the fall they can be forced again as with new bulbs.

EQUESTRE. Orange-scarlet. Each, 15c; doz., \$1.50; 100, \$12.00.

VAUGHAN'S NEW HYBRIDS. One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose entire stock we have purchased. Flowers are immense, in an amazing range of colors, blended, splashed and striped in a manner not seen in other strains. Each, 60c; doz., \$6.00; 100, \$42.50.

JOHNSONIL. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each, 35c; doz., \$3.50; 100, \$25.00.

Oxalis

For Indoor Planting Only

Most of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil.

Grand Duchess. Lavender, pink and white. Doz., 45c; 100, \$3.00; 1,000, \$25.00.

Bermuda Buttercup. Doz., 50c; 100, \$3.25; 1,000, \$27.50.

Hirta. Deep pink, very fine for hanging baskets. Doz., 60c; 100, \$4.00; 1,000, \$35.00.



Gift for Your Gardening Friend

Nothing will so delight the garden lover as a gift of something for the garden. You may not know just what your friend most desires—whether a lily bulb of some prized variety, tulips of just the right color to fill a certain place, or an implement which will make her work in the garden easier. You may place the coveted treasure within her grasp by buying her a gift certificate from Vaughan's Seed Store, which can be exchanged for anything listed in our catalogs, which illustrate, describe and price everything a gardener needs or desires. Send us the sum you wish and we will return to you or your friend a certificate good for that amount at any of our stores or by mail.



ORNITHOGALUM AUREUM

Ornithogalum Aureum

OF a rich apricot orange, this is perhaps the finest of ornithogalums. The flower stems are usually over a foot; with most of the upper half covered with flowers. Its ease of culture, and the lasting qualities of the flowers make it an ideal cut flower.

	Each	Doz.	100
½ inch.....	\$0.35	\$3.50	\$25.00
¾ inch.....	.55	5.50	40.00

Ornithogalum Thrysoides

Grows three feet tall with a cluster of flowers 100 to 150 in number, each flower about ½ inch in diameter, pure white in color. Has excellent keeping qualities.

Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Leucocoryne

(Glory of the Sun)

Flowers exquisite light blue on tall, wiry stems and of very long-lasting quality with faint heliotrope fragrance. For indoor culture except in warm states. Each, 30c; doz., \$3.00; 100, \$20.00.



FREESIAs Forced in Flower Pot

Vaughan's Giant Freesias

They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards.

VAUGHAN'S PURITY. Flowers are a magnificent snowy white, of very large size and great fragrance. Mammoth Size. Doz., 45c; 100, \$3.00; 1,000, \$25.00.

ELDER'S GIANT WHITE. The finest white variety, beautiful pure white flowers double the size of Purity. Doz., \$1.35; 100, \$9.00.

GOLDEN DAFFODIL. A great improvement over any other yellow sort, the color is rich daffodil yellow. The large flowers are borne on long rigid stems. Doz., 75c; 100, \$5.00.

WHITE CHIEF. A new Giant White, stems average 18 to 20 inches long. Single flowers 2½ inches long; early bloomer. Doz., 75c; 100, \$5.00.

BLUE BIRD. Deep delphinium blue with light center. One of the best blues. Doz., 75c; 100, \$5.00.

MRS. MARC PETERS. Very attractive deep rosy salmon, blotched orange with yellow. Doz., 75c; 100, \$5.00.

PINK BEAUTY. Giant rose pink with broad petals. Doz., 75c; 100, \$5.00.

SUNSET. Something new in color, flame orange reminding you of the glorious sunsets in California. Doz., 75c; 100, \$5.00.

RUTH CHATTERTON. Outstanding novelty for 1934 in colored Freesias, the upper portion of the petals, both inside and outside, are tyrian rose shading down the petals to tyrian pink. These colors being shot with delicate streaks of cadmium yellow in varying degrees becoming solid yellow down into the perianth. The flowers and sprays are gigantic, four and five flowers open at one time. They are delicately perfumed and supported by long, heavy stems with two and three long laterals. Doz., \$1.50; 100, \$10.00.

Bulbs Which Have Been Forced

GARDEN makers often inquire if bulbs which have been forced in the house in Winter can be planted in the ground when Spring comes. A few kinds can be treated in this manner. Tulips planted out will gradually recover and bloom well in a year or two. Easter lilies will often flower again in the garden in the Fall, but will not live over. Some hyacinths can be planted out and will make blooming plants in the hardy border. One variety, L'Innocence, can even be forced a second time, but will have weak stems. Freesias can be held over and forced a second season.

Grow Your Christmas Flowers



Hyacinths in Pots

For Winter Blooming

ALIGHT, rich soil produces the best flowers. Place each bulb one inch deep, an inch and one-half from each other bulb or edge of pot. Water well, and set away in a dark, cool cellar, or an outdoor pit which is well drained. If outside, cover with three or four inches of sand or ashes. Let them remain there for eight or ten weeks to root, then bring them into a warm room, but keep them in the dark (cover the pot with a paper bag, cloth, etc.). Then when the flower spike is three or four inches out of the bulb, they may be exposed to the light, and will open beautifully. The larger bulbs are best for indoor growing, the largest bulbs throwing the most magnificent flower spikes. French-Roman Hyacinths are excellent for growing in pots, flowering earlier than the others.

Hyacinths in Glasses

Fill the glass with clear, soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and sweet. The filled glass should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be given more heat, and gradually exposed to the light. Water must never be changed, but only be replenished. Large bulbs are best for this purpose.

Hyacinths in Gardens

Hyacinths are returning to popularity for both formal beds and border plantings. They provide much needed blues. Plant in any good, well drained soil. The beds should be raised several inches above the surrounding

ground to prevent lodgments of water which causes bulbs to rot. Bulbs should be set six inches apart and six inches deep. The smaller bulbs produce good results when planted outdoors.

Numbers following name of variety indicate time of flowering, each number following in time of flowering.

Red and Rose

Gertrude—3. Rose-Pink, one of the best pot varieties.

La Victoria—3. Brilliant red.

Marconi—3. Bright pink, very good.

Queen of Pinks—2. Rose-pink, choice.

White

La Grandesse—3. Pure white, large bells, splendid spike, best for outdoor planting.

L'Innocence—2. Pure white, best for growing in pots indoors.

Yellow

City of Haarlem—3. Golden yellow.

Yellow Hammer—3. Lemon yellow.

Blue

Dr. Lieber. Dark blue, darker than Grand Maitre, lighter than King of Blues.

Grand Maitre—2. Dark porcelain blue.

King of Blues—4. Very dark blue.

Queen of Blues—4. Very light blue.

	Each	Doz.	100
Mammoth Bulbs. (19 Ctm.)	\$0.25	\$2.00	\$15.00
First Size (18-19 Ctm.)....	.20	1.80	13.00
Second Size (17-18 Ctm.)..	.18	1.60	11.00
Third Size (16-17 Ctm.)...	.15	1.25	9.50
Bedding Size (15-16 Ctm.)	.12	1.10	8.00
Dutch Romans (13-14 Ctm.)	.10	.85	6.00

Above prices are for your selection of named varieties.

French-Roman Hyacinths

The white variety, if planted early in September and slowly forced, will bloom in December. The others require from two to three weeks longer. They will flower in three months.

White, select size, per doz. \$1.35; per 100, \$9.00.

Light Pink, per doz., \$1.00; per 100, \$7.00.

Dark Pink, per doz., \$1.00; per 100, \$7.00.

Blue, per doz., \$1.00; per 100, \$7.00.

Vaughan's Rainbow Collections

Single Named Hyacinths first size for Window Garden

Queen of Pinks, Pink Grand Maitre, Lt.

Blue, La Victoria, Red, L'Innocence, White.

King of the Blues, Dark Blue.

City of Haarlem, Yellow.

PREPAID PRICES—

Postpaid

A—6 Bulbs, one of each variety\$0.95

B—12 Bulbs, two of each variety 1.80

C—24 Bulbs, four of each variety 3.50

D—36 Bulbs, six of each variety 5.00

Forcing Jonquils

Jonquils are noted for their graceful, sweet-scented flowers, in or out-of-doors. They thrive well in a moist, shady position in borders, and make splendid edgings to beds of some of the taller Narcissi. For indoor decoration three or four bulbs should be grown in a four or five-inch pot.

Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing. Each 15c; doz., \$1.15; per 100, \$8.00.

Rugulosus Plenus. Double yellow flowers on tall graceful stems. Sweetly perfumed. Each 15c; doz., \$1.25; per 100, \$9.00.



KING ALFRED

Forcing Daffodils

DAFFODILS are excellent subjects for indoor growing in bulb pans in soil or fibre. This method requires more skill than growing bulbs in water. It is described in some detail under the heading "Hyacinths in Pots" on this page. Success depends on the extent to which fine roots are developed before the pots are brought to the light. These roots develop best when the pots are kept a few degrees above freezing. A pit in the garden which is protected from surface water, so it will not fill, is an excellent place to store the bulbs. The pots may be covered with leaves, straw, or even with ashes or sand; and brought in, after eight weeks, when it is desired to begin forcing them. Figure on not less than five months before flowers are produced. After being brought into the house, a temperature of 50 degrees is sufficient until the formation of buds begins, and the best flowers will then be formed in a temperature of 60 degrees. All the light possible should be given after top growth begins.

Emperor. The entire flower is a rich yellow trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Each, 10c; doz., 90c; 100, \$6.00.

King Alfred. "The King of Yellow Daffodils."

Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Each, 15c; doz., \$1.15; 100, \$8.00.

Spring Glory. A very early showy bicolor daffodil with large white perianth, broad and spreading, trumpet large and handsome, bright yellow with open flared mouth. Each, 15c; doz., \$1.25; 100, \$9.00.

Tresserve. A flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring 2¼ inches across. Each, 15c; doz., \$1.25; 100, \$9.00.

Cheerfulness. The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. Each, 20c; doz., \$1.75; 100, \$12.00.

Laurens Koster. Perianth white, cup light orange-yellow. Each, 10c; doz., 90c; 100, \$6.00.

Orange Cup. Yellow perianth, cup orange red nicely frilled. Each, 10c; doz., 95c; 100, \$6.50.

Twink. It is a double of the semi-full type, the petals alternating a soft primrose and clear orange, so arranged as to give the flower a most attractive appearance. Each, 40c; doz., \$4.00; 100, \$30.00.

Belgian

Tye Shape

Hyacinth Glasses

Not responsible for breakage in transit

	Each	Doz.
Belgian. Tall.....	\$0.40	\$4.00
Tye Shape.....	.40	4.00

Bulbs Which Belong in Rock Gardens

Many Are Suited in Size and Habit
for a Place in the Rockery

Bulbs for Rock Gardens

We offer special values in collections of bulbs for rock gardens, including the varieties described on this page.

\$2.00 We will send bulbs of the finest quality of the following: 6 Snowdrops, 6 Chionodoxas, 6 Scilla Siberica (Blue Bells), 6 Crocus, 6 Species Tulips, 6 Fritillaria Meleagris, 6 Erythronium (Dog Tooth Violets), 6 Muscari (Grape Hyacinths)—48 bulbs in all, for \$2.00, postpaid.

\$4.00 We will send bulbs of the finest quality of the following: 12 Snowdrops, 12 Chionodoxas, 12 Scilla Siberica, 12 Crocus, 18 Species Tulips, 6 Fritillaria Meleagris, 6 Erythronium (Dog Tooth Violets), 18 Grape Hyacinths, 6 Leucojum Vernal—102 bulbs in all, prepaid for \$4.00.

\$10.00 We will send bulbs of the finest quality of the following: 25 Snowdrops, 25 Scilla Siberica, 25 Chionodoxas, 25 Crocus, 36 Species Tulips, 12 Fritillaria Meleagris, 50 Grape Hyacinths, 24 Jonquils (true), 3 Iris Reticulata—225 bulbs in all, for \$10.00, prepaid.

Miniature Daffodils

The following are charming subjects for rock work, where their dainty flowers are seen to perfection. They should be left undisturbed for years, and if happy will soon establish themselves and afford a lovely picture in early spring. All (except monophyllus) like moisture, and should therefore be planted at the foot of the rockery. Bulbocodium monophyllus flourishes in a warm dry sheltered situation planted in almost pure sand; when coming into bloom give water freely. Triandrus albus (Angel's Tears) delight in partial shade and a light gritty soil, and should be given a well-drained position.

Bulbocodium Conspicuum. Yellow Hoop Petticoat, flowers rich golden-yellow of hoop-petticoat form and rush-like foliage, height 6 inches. Each, 20c; doz., \$1.80; 100, \$13.00.

Triandrus Agnes Harvey. A beautiful chalice-cupped hybrid, perianth snow-white, cup pure white sometimes flushed a soft apricot, one to three blooms on a stem, slightly drooping, height 13 inches. Each, 20c; doz., \$2.00; 100, \$15.00.

True Jonquils

These are old fashioned flowers that belong in the rock garden. They like a shady, moist location, are fragrant, and bear flowers in clusters.

Jonquilla Simplex. The true single sweet jonquil, of light elegant growth, bearing out of doors in May clusters of numerous small rich yellow flowers of delicious scent. Each, 15c; doz., \$1.25; 100, \$9.00.

Jonquilla Flore-Pleno. The old double sweet jonquil, produces in May little heads of rich yellow double flowers, very fragrant and attractive for cutting. Each, 15c; doz., \$1.40; 100, \$10.00.

THE FINEST subjects for the rockery are found among the minor bulbs, which by very reason of their dwarf stature, and delicate blossoms, are likely to be outshone in the border by more conspicuous rivals. These more gorgeous subjects, the tall late tulips, and the giant daffodils, would never do in rock gardens; they would be out of scale, in size and character. But minor bulbs find among the rocks effective settings, where their most elusive beauties are made visible.

In planting bulbs in the rock gardens, there are no especial precautions to be taken. They like good drainage. Most of them need not be planted

deeply; four times the diameter of the bulb is the general rule. Those that blossom early will look best against the background of a rock. They do not need protection from the cold, but will escape many dangers if they are shaded from spring sunshine which might bring them prematurely into growth. In shallow soil, a mulch which will protect them from the wash and spatter of March rains is advisable. They may be planted alongside other perennials, if one considers that their foliage must be left to turn yellow after they bloom, and places them where they will not interfere with treasured small plants which blossom soon after them.



NARCISSUS BULBOCODIUM



CROCUSES



TULIP KAUFMANNIANA



ERANTHIS (Winter Aconite)



SNOWDROPS



Darwin Tulips



ALL May flowering tulips may be planted together harmoniously. Darwin, Cottage and Breeder tulips are merely different clans, having distinctive family traits, but each with beauty which blends admirably with its cousins. They are listed separately for convenience of reference.

Planning a tulip garden is made easy by the fact that you may count so surely upon the flower blooming as planned. The height, the color, the flowering season, are all so well established, it is a pleasure to plan a color effect and in the spring to see it develop in life, just as imagined the previous fall.

Darwin tulips are characterized by a soft overtone which gives their colors a pastel effect. The flowers are cup-shaped and carried on tall, stiff stems. In color range they include all the rainbow hues, in amazing variety. Yellow, which long was missing from the Darwins, is now represented by several fine varieties; and new varieties include splendid giant whites.

Included in the variety lists on this and the

following pages are many newly introduced varieties which show improvement in color, height, size or in some other important respect, over older varieties. But at the same time we retain the best of the old and tried varieties, many of which remain the finest of their type, and may never be surpassed.

Parcel Post. If you wish bulbs sent by parcel post, add to our prices, postage at zone rates from Chicago (see order blank), counting twelve bulbs as one pound, fifty as four pounds.

Pink and Rose Shades

Adoration (29 in.) A brilliant flesh-pink, with lighter edge, and white base. Large and strong flower carried on a tall stiff stem. Wonderful tulip in this color. Doz., \$2.65; 100, \$18.50.

Afterglow (26 in.) All the splendor of a glorious sunset seems to be reproduced in this wonderful tulip with its deep orange tints suffused with salmon, and edged apricot orange. Tall, stately grower, and a very popular variety. Doz., 95c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Inside Back Cover.)

Aphrodite (30 in.) Clear silvery pink, deeper within, large oval-shaped flower on tall, strong stem. A most beautiful tulip. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Baronne De La Tonnaye (26 in.) Bright rose, margined blush-rose; long, large flower, beautifully shaped. Per doz., 75c; 100, \$5.50; 1,000, \$51.00.

Centenaire (30 in.) Rich violet-rose with large blue center, immense flower of perfect shape, splendid forcer. Per doz., 75c; 100, \$5.50; 1,000, \$51.00.

Cherry Blossom (30 in.) A sport of the Haarlem, probably the most popular tulip in existence. This offspring, besides having its own good qualities, possesses all of its parents' and tends to bid for some of Haarlem's popularity. The color is a beautiful, bright cherry-pink, delicately edged white with a bluish white base. Per doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Clara Butt (20 in.) Newer and superior tulips may be found, but Clara Butt remains a prime favorite of tulip lovers. This lovely, pure pink tulip possesses an entirely individual charm that makes it one of the best pink Darwin tulips. Doz., 75c; 100, \$5.50; 1,000, \$51.00.

King George V (28 in.) An immense flower of brilliant rose with a light blue base. The color is dazzling in its brilliance, and this is without doubt one of the finest and most beautifully formed Darwins, quite worthy to bear a royal name. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

La Fiancee (30 in.) Deep rose, shading to old-rose and delicate pink at the edges, with blue base. A splendid variety of large size and very effective when planted with mauve and dark lavender sorts. Doz., 75c; 100, \$6.50; 1,000, \$60.00.

Le Notre (27 in.) Beautiful rose shaded blush, extra early variety, very fine for indoor growing. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Massachusetts (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Blossoms early and cut blossoms last well. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Mme. Krelage (27 in.) Very similar to Massachusetts, but the central pink band is a shade lighter and blends into the pale border. Earlier and tones off into lighter shades all over. Per doz., 80c; 100, \$5.75; 1,000, \$52.50. (Illustrated on Inside Front Cover.)

Petrus Hondius (25 in.) Large, wide open flower of American Beauty rose shade. Doz., 95c; 100, \$6.50; 1,000, \$60.00.

Princess Elizabeth (26 in.) (Syn. Julie Vinot.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended. (Illustrated on Inside Front Cover.) Per doz., 80c; 100, \$5.75; 1,000, \$52.50.

Queen of Hearts (28 in.) (Formerly Apple Blossom) A beautiful soft rose sport of the old standby Farncombe Sanders, with steel blue anthers and pure white base. The flower is enormous with a rich texture, the stem is tall and straight, yet graceful, making this tulip a perfect exemplification of the progress being made in perfecting the tulip. Doz., \$1.65; 100, \$11.50; 1,000, \$110.00.

Sunset Glow (26 in.) A lovely deep rose shaded orange, inside bright salmon, yellow center. A favorite in our trial gardens. Doz., \$2.50; 100, \$18.00; 1,000, \$170.00.

Scarlano (27 in.) A very fine bright scarlet with white and blue center. Highly praised in our trial gardens. Doz., \$2.25; 100, \$16.00; 1,000, \$155.00.

Tennessee (26 in.) Beautiful silvery rose with light blue base. Tall, strong grower. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Venus (32 in.) One of the most wonderful tulips of recent introduction. The large flower is of exquisite rose, with a white center slightly edged light blue. The entire flower bares a beautiful silvery sheen. The stem is always long and strong, making it a grand exhibition variety. (Illustrated on Front Cover.) Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Yellow

La Tosca (27 in.) Most tulips are beautiful, but here is a variety that is surpassingly attractive. Among all others it stands forth and is immediately noticed for its subtle charm and brilliant coloring. The flower is large, egg shaped, creamy yellow, with a darker edge and base, turning sulphury white when in full bloom. Strong growing plant. Doz., \$3.00; 100, \$22.50.

Yellow Giant (29 in.) A golden yellow tulip of great beauty and size, a large flower with black anthers. Tall and strong stem. This is the best of the several yellow Darwin tulips offered. Doz., \$1.75; 100, \$12.00; 1,000, \$110.00.



Tulip Garden Exhibited by Vaughan's Seed Store at 1934 Spring Flower and Garden Show of Garden Club of Illinois, Navy Pier, Chicago.



Darwin Tulips



As soon as the segments fall from the tulip snap off the seed-heads. Taking away the necessity of making seed from the bulb quickens the ripening of the foliage and hastens the lifting time from beds that have to be filled with summer bedding. The old-time test for lifting is as soon as a flower stem can be twisted around the finger without snapping. Lifted then and laid in a trench in dry soil to ripen, the bulbs may be used again and again for bedding.

Shades of Red

Ariadne (28 in.) Brilliant rosy crimson, shaded scarlet with blue base, large flower of great substance. One of the finest. Good forcer. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Bartigon (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Per doz., 75c; 100, \$5.50; 1,000, \$51.00. (Illustrated on Inside Front Cover.)

City of Haarlem (27 in.) Here is a tulip we can recommend without hesitation. It can always be depended upon to make an excellent show, with its immense cups of cardinal red, shading to scarlet at edges of petals. The large, blue base circled with pure white enhances the beauty of this splendid variety. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Chant Du Cygne (26 in.) A tremendous flower of fiery scarlet shaded soft rose, with large blue base. An excellent exhibition variety of fine substance. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

Duke of Portland (26 in.) A large flower of fine form, rich, brilliant scarlet in color, with a blue base starred with white. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Eclipse (27 in.) Rich, glowing dark red, with a blue base circled by white. A giant tulip of good form on a tall, strong stem, which does not easily snap in stormy weather, making it very good for garden and exhibition purposes. Really a royal tulip, which we highly recommend. Doz., \$1.90; 100, \$14.50.

Farncombe Sanders (25 in.) Fiery rose scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. (Illustrated on inside front cover.) Per doz., 75c; 100, \$5.50; 1,000, \$51.00.

Feu Brilliant (25 in.) (Brilliant Fire.) Glowing red, shading to brilliant scarlet near edges of petals. Large dark blue base with white halo. Really a nice tulip. Doz., 95c; 100, \$6.50; 1,000, \$60.00.

Gloria Swanson (32 in.) An enormous crimson-red flower, with a bluish base. We do not believe that a larger and stronger tulip in this color has ever been raised. Very strong stem, flower has great lasting qualities. This is really a giant and an excellent early forcing variety. Per doz., \$2.25; 100, \$17.00.

Margaux (30 in.) Deep wine red, with broad light edge. Tremendous flower, oval shaped with blue base. Per doz., \$1.90; per 100, \$14.50.

Pride of Haarlem (28 in.) Vivid rose. An old standby that is deserving of a place in the best of gardens. Unsurpassable for fine color, reliable performance and enormous flower. Doz., 75c; 100, \$5.50; 1,000, \$51.00.

Prince of Wales (28 in.) Bright cherry-red with a white base finely striped blue. Enormous flower on a tall, stiff stem. Doz., 95c; 100, \$6.50; 1,000, \$60.00.

Prince of the Netherlands (30 in.) Glowing cerise, flushed salmon-rose, with a small, light blue base. Extra large flower of striking color and great substance, borne on a tall stem. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Prof. Rawenhoff (28 in.) Gorgeous deep rose red. Very attractive, and a good tulip to plant, as it always does well, even under difficult conditions. Doz., 80c; 100, \$5.75; 1,000, \$52.50.

Scarlet Beauty (28 in.) Beautiful fiery scarlet, one of the best Darwin Tulips for outside planting, possessing a straight, strong stem, and a flower that lasts a long time and keeps its color well. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.



TULIPS MAKE THE MAY GARDEN A BLAZE OF COLOR

Whistler (25 in.) Vivid maroon-crimson with a blue base and white halo. This variety has the characteristic of producing more than one stem to a bulb, each stem having two or more flowers. On one occasion five blooms were observed from one bulb. This, of course, does not always occur, but it has been observed so often in this variety we call it a characteristic and not a freak growth as is sometimes seen in other tulips. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Wm. Pitt (24 in.) Velvety crimson flower of beautiful form. Reliable garden variety. Distinct color and a magnificent tulip. Doz., 75c; 100, \$5.50; 1,000, \$51.00.

Violet, Black and Shades of Purple

Benjamin Franklin (27 in.) The softly shading color of this beautiful lavender tulip has an indefinable charm that wins everyone's praise. The flower is strong, the stem long and straight. Per doz., \$1.80; 100, \$12.50.

Bleu Aimable (26 in.) Bright violet-purple, with distinct steel blue shading, inside dark violet-purple, with blue base starred white; a very distinct and handsome tulip of large size and shapely form. (Illustrated on inside front cover.) Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Dream (25 in.) Pale violet changing to lavender, with lighter edge and clear blue base. We recommend this tulip as one of the best lilac colored varieties. Its color is soft, but lasts very well. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Faust (30 in.) Dark satiny purple with blue base, very large and well formed, good forcer. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Giant (29 in.) Deep purple, shaded dark violet with white base with blue star in center. Large flower, on a tall stiff stem. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Helen Wills (26 in.) One of the finest of the rosy lilac shades with white base and bright blue halo. Large flower of perfect form, lasting a long time in bloom. Doz., \$1.85; 100, \$13.50.

Jubilee (28 in.) The most magnificent purple tulip. The flower is beautifully formed, deep rich bluish-violet shaded with purple. A flower of great beauty and long keeping qualities. We highly recommend this variety. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

La Tulipe Noire (25 in.) Nearest of all to the black color. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

La Tristesse (Dolores) (25 in.) Beautiful lilac with lighter margin. A wonderfully soft color which, contrasted with deep yellow Cottage tulips makes a nice combination. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Melicette (28 in.) A charming pure lavender with reflexing petals. Combines beautifully with light yellow tulips. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Mrs. Mandel (27 in.) The improved Wm. Copeland with a larger and far more substantial flower. Violet blue, flushed lilac, with large, white base. This variety may be forced very early in January. Excellent keeper, strong stem. Highly recommended. Per doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Mrs. Potter Palmer (28 in.) Beautiful purple, well formed. A tulip that is both striking and pleasing. Height, 26 inches. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Philippe de Commynes (26 in.) Velvety dark violet. (Illustrated on Inside Front Cover.) Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Purple King (Viola) (30 in.) One of the most outstanding purple tulips. The flowers are extremely large, pure bluish purple. The stem is thick and straight, and the entire plant is very vigorous. When well grown has as many as ten petals. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Raphael (30 in.) A magnificent long, full flower of deep crimson overlaid heavily with violet, a rich dark color that is at once striking and beautiful. Cannot be excelled for depth of color. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Rev. H. Ewbank (20 inches) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat, open flower. Lasts well. Most popular of this shade. Per doz., 75c; 100, \$5.50; 1,000, \$51.00.

Wheaton Collection DARWIN TULIPS

Ten each of the following representative varieties of Darwin Tulips (100 first size bulbs) will be **\$6.00** sent postpaid for.....

- 10 Afterglow, salmon orange
- 10 Ariadne, crimson
- 10 Bleu Aimable, violet
- 10 City of Haarlem
- 10 Melicette, lavender
- 10 Zwanenburg white
- 10 Faust, blue purple
- 10 Inglescombe, yellow
- 10 Princess Elizabeth, rose
- 10 Mme. Krelage, pink

This collection of 100 bulbs of the wonderfully blended Darwin varieties will provide your garden with a display of which you may well be proud.

Darwin Tulips

VIOLET, BLACK, PURPLE—Continued

Reve d'Amour (26 in.) (Dream of Love) An excellent flower of good substance, fine beauty and good form. This remarkable flower opens white with carmine spots and edge, but gradually becomes reddish violet, the base alone remaining white. Doz., \$1.85; 100, \$13.50.

Sir Trevor Lawrence (29 in.) Purplish-violet, white center. Large flower and a good keeper. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

The Bishop (29 in.) A magnificent large flower of clear, deep violet, with a blue base circled by a white halo. A beautiful tulip of good form. Doz., \$1.40; 100, \$9.50; 1,000, \$92.50. (Illustrated on Front Cover.)

The International (28 in.) Immense cup of beautiful reddish violet. Wide open flower on tall heavy stem. Very good. Height, 28 inches. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Valentine (30 in.) Beauty of form and clearness of color make this Darwin one of the most attractive of the violet shades. Flowers of pure heliotrope are carried erect on tall stems, straight as ram rods. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

William Copeland (24 in.) (Sweet Lavender) Outside this variety produces flowers of fine rosy lilac, but is at its best when grown indoors during the winter. When forced indoors the flowers are the purest lavender of all tulips. Height, 24 inches. Doz., 75c; 100, \$5.50; 1,000, \$51.00.

Zulu (27 in.) Rich, velvety, purple-black; large cup-shaped flower. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

White and Blush

Avalon (29 in.) An excellent newcomer. Tall, strong, straight stem and pure snow white color. This tulip possesses unusual beauty of form and is very vigorous. Doz., \$1.75; 100, \$12.00; 1,000, \$115.00.

Duke of Wellington (26 in.) A delightful creamy-white flower of great beauty; white anthers and base; good stiff stem. Doz., \$2.25; 100, \$16.00.

Helen Eakin (30 in.) Pure, snow white flowers of perfect texture, beautifully proportioned, the personification of heavenly purity. This tulip was unanimously awarded an Award of Merit in Holland and the President Coolidge medal at the recent Spring Flower Show at New York. The flower is wide open and more "square shouldered" than "Rensselaer." Doz., \$3.00; 100, \$22.50.

Rensselaer (28 in.) After years of tireless work a pure white Darwin tulip has been produced. The flowers are excellent in form, and purest white in color. Unlike other white tulips that open cream colored, this variety opens pure white and remains so until the petals fall. Flowers are enormous with black anthers that contrast pleasingly with the snow-white texture of the bloom. Doz., \$3.00; 100, \$22.50.

Robert E. Lee (24 in.) A very fine white with dark anthers, center white. Well formed flower on stiff stem. Can be used for forcing. Doz., \$1.75; 100, \$12.00; 1,000, \$110.00.

Zwanenburg (28 in.) Pure white with black anthers. Large flower, highly recommended for both bedding and forcing. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

Lacinated Darwin

Sundew (25 in.) This flower is something entirely new in tulips. The curved petals are provided with barbs, giving the edges of the flower a fringed effect. It is said to be a natural sport of the popular variety Bartigon, retaining the brilliant crimson coloring and magnificent size of its parent. Doz., 95c; per 100, \$6.50; 1,000, \$60.00.

New Hybrid Classes

Mendel Tulips Mixed are the result of years of work crossing the earliest of single early tulips, the Christmas flowering Duc Van Thol type, with the tall late flowering Darwins. They flower very early, on extremely long stems. The color range is rather extensive, including the popular, brilliant shades of the Darwins. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.



WHITE DARWIN TULIP HELEN EAKIN



Mixture of Darwin Tulips

Special Mixture, made up by ourselves from best distinct kinds. Per doz., 70c; 100, \$5.00; 1,000, \$45.00.



DARWIN TULIPS IN THE FORMAL GARDEN

Triumph Tulips

THIS new race is the result of crosses between the Early Single Tulips and the Darwins. They should have a place in every garden because they will bloom after the early tulips and just before the late flowering. They can be forced very easily. The varieties we list are all good strong growers. Because of their newness the color range is limited.

Aviator (24 in.) Bright carmine-red with white border, center white. Large flower. Doz., \$1.35; 100, \$10.00; 1,000, \$95.00.

Algiba (17 in.) Purplish-mauve, edged paler mauve. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Denbola (18 in.) Dark amaranth-red with a broad edge of creamy white and a bluish white base. Doz., \$1.80; 100, \$13.00; 1,000, \$125.00.

Essen (18 in.) Deep pink with lighter edge. Doz., \$1.35; 100, \$10.00; 1,000, \$95.00.

Kansas (22 in.) Snow white, lemon yellow center. Doz., \$1.80; 100, \$13.00; 1,000, \$125.00.

Lord Carnavon (22 in.) Pink, white base and white edged. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Pres. Hindenburg (21 in.) Purple red yellow bordered. Doz., \$2.75; 100, \$20.00.

Prof. Kuenen (17 in.) Dull purplish red, veined white at the edges, violet blue base. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Prof. Tendeloo (21 in.) Dark amaranth-red flushed violet, dark lemon yellow edged with bluish white base. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Telescopium (23 in.) Violet rose, strong flower on stiff stem. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Thuban (18 in.) Bright carmine rose. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

Ursa Minor (17 in.) Deep golden yellow. Doz., \$1.35; 100, \$10.00; 1,000, \$95.00.

Extra Fine Mixed Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Tulip Grullmannii

ONE of the outstanding introductions of last few years is this new type. It has been obtained by crossing a Darwin Tulip with a Tulip species. The flowers are long and large, carried on stout stems holding the blossom boldly upright. All are about 27 inches in height and of remarkably robust habit, resisting disease or all other sorts of ailments. Easily forced and grown indoors and tremendously long lasting; both indoors as well as out. In the garden they will outlast any tulip in existence. The bulbs multiply rapidly.

Grisilde (26 in.) Inside creamy white turning primrose yellow towards center. Outside white with a faint red spray on center of outer petals. Large greenish black base, beautiful oblong-shaped flower of great substance on tall, erect stem. It will easily last two weeks after being forced. Doz., \$2.60; 100, \$18.50.

Inga Hume (24 in.) Inside deep yellow slightly sprayed red, outside red with broad, sharply lined yellow edge, large black base, perfect formed large flower on erect stem, very fine variety. Highly recommended for forcing, it will outlast any other tulip and becomes more beautiful as the flower ages. Doz., \$2.60; 100, \$18.50.

Mimoza (28 in.) Inside primrose-yellow, outside bluish white with a faint red shade on the outer petals, beautiful black base with broad, yellow edge, enormous perfect flower of oblong shape, tall erect stem. Doz., \$2.60; 100, \$18.50.

Nadya (28 in.) Inside pure white outside white slightly shaded red, large black base. Fine flower on a tall graceful stem. Doz., \$2.60; 100, \$18.50.



Cottage Tulips



COTTAGE tulips are inclined to have pointed petals, sometimes turned back, and the blossom to be smaller and more slender. But they harmonize perfectly with the Darwins and Breeders and supply a quality of clear, bright color which these lack. They blossom a few days later than the Darwins, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet-scented varieties are included, such as *Gesneriana Lutea*, and *Mrs. Moon*.

For Pots. Those best suited for growing in this way are marked.

Lilac and White

Albino (22 in.) A fine, pure white. Flower is large. Can be used for forcing. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

Barbara Pratt (36 in.) Rich light cochineal carmine, edges lilac-rose. A very beautiful tulip with slightly reflexed petals. Highly recommended. Doz., \$3.25; 100, \$25.00.

Carrara (22 in.) This tulip has created a sensation at the various spring flower shows. It is round and pure white. The flower is very large. Illustrated on front cover. Doz., \$1.40; 100, \$9.50; 1,000, \$92.50.

***Fairy Queen** (20 in.) Oblong blooms of rosy heliotrope blending into a golden yellow at the edges of petals. Very distinct. One of the most beautiful of all. Doz., \$85c; 100, \$6.00; 1,000, \$55.00.

Miss Blanche (20 in.) Pure white tulip of Darwin shape with squared petals. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Nathaline May (32 in.) This beautiful tulip opens an extremely attractive sulphur-white, and fades to pure white in a day. Base white, anthers black. Very tall and graceful. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

The Fawn (20 in.) Egg-shaped bloom of yellowish fawn color, blended with pale rose lavender and blush-pink margin. One of the prettiest of all late tulips. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Bronze

Quaintness (20 in.) Golden brown, overlaid with rose, the interior mahogany-brown, with yellow base. A remarkable color scheme to be found among the Cottage tulips. A fine pointed flower, very charming among purple horned pansies. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Pink and Rose Shades

Ambrosia (22 in.) An enchanting combination of bronze with rosy lilac; inside is a salmon-orange tone. A pleasing soft blend that harmonizes with many colors. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

***Dido** (26 in.) Superb in form, poised, erect on a straight stem, we know of no other tulip that has more fragrance and brilliant coloring than Dido. It is a deep, rich pink with salmon lights, suffused and slightly edged orange. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.



All Late Tulips May be Combined with Good Effect in the border

General French (26 in.) Immense size, perfect form, of warm rose tone. The flower is egg-shaped, many of the petals being fully six inches in length. Created a sensation last spring at our trial grounds. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Inglescombe Pink (24 in.) Warm pink tinged orange near edges of petals when it first opens. Age makes this tulip more beautiful, as after the first few days it changes to pure pink. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

John Ruskin (24 in.) Large egg-shaped bloom of graceful form and habit. Flowers are salmon and rose with pale yellow margin; inside heliotrope with golden border and base. Really a masterpiece in color and shape. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Maiden's Blush (20 in.) The old English Picotee; snow-white with a margin of rose. The petals are very pointed and reflex beautifully. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Mrs. Elizabeth S. Prentiss (28 in.) Crimson-pink with lighter edges; base white, anthers black, petals slightly reflexing. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Orient (26 in.) Large, egg-shaped flower with long petals. Rich, warm pink slightly touched with amber at edges of the petals. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

***Rosabella** (18 in.) This graceful tulip can be compared to the loveliness of a rose bud. Pure pink in color, it possesses great charm. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Shades of Red and Orange

Alcmene (24 in.) A refined, oblong flower of intense and warm coloring. Glowing, deep carmine with white base with blue border. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Grenadier (20 in.) Magnificent light orange. When the sun shines on a fully expanded flower of this variety the color is dazzling. Flower is long, borne on graceful stem. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Glare of the Garden (18 in.) Large egg shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of all late crimson tulips. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

***Inglescombe Scarlet** (16 in.) Brilliant vermilion with a black base. One of the best reds. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Leda (23 in.) Deep cerise with lighter edge, white base. Large egg-shaped flowers. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

La Merveille (20 in.) Extra large, fragrant flower, apricot suffused orange. Graceful cut-flower for table decoration. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

***Nectar** (24 in.) Crimson with a large, pure white base that contrasts its rich color. Slightly reflexed petals. Extremely large flower. We recommend 'Nectar' as an exhibition, cut flower, and garden variety. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00. (Illustrated on Inside Back Cover.)

Orange King (23 in.) Deep orange, inside with yellow center. Globular flower, sweet-scented. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Pandora (16 in.) The flower is not large nor the stem tall, but this tulip possesses a coloring so rich and striking that visitors to our trial grounds enthused at its beauty. The color is soft orange shaded salmon pink. Doz., \$1.95; 100, \$14.50.

Yellow Shades

***Argo** (22 in.) While the flower is not large, it stands out amongst all others for its rich color. It is deep golden yellow, slightly penciled toward the top edges with orange, which deepens as the flower ages. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00. (Illustrated on Inside Back Cover.)

Avis Kennicott (22 in.) Long, pointed flower, very large, deep chrome-yellow, with striking black base. A tone that contrasts beautifully when planted with blue-bells (*Mertensia*). (Illustrated on front cover.) Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Buff Beauty (20 in.) A very delicate tulip, salmon orange, center orange, shaded yellow. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

***Columbus** (Gala Beauty.) (18 in.) Medium pointed blooms of rich golden yellow, feathered and splashed with intense glowing scarlet. Sweet-scented. A delightful combination of color, distinct from all others. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

Flava (25 in.) Soft canary yellow well formed flowers on stiff stem. Ideal tulip for borders. Doz., \$1.25; 100, \$9.50; 1,000, \$90.00.

***Gesneriana Lutea** (20 in.) A very shapely bloom of the purest yellow; distinctly sweet-scented. One of the best yellow tulips in existence for color and perfume. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Golden Wonder (24 in.) Golden yellow shaded brown with black anthers, turning to golden yellow and deep reddish-orange markings when in full bloom. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

***Inglescombe Yellow** (18 in.) A fine large, globe-shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Doz., 75c; 100, \$5.50; 1,000, \$51.00. (Illustrated on Inside Front Cover.)

Illuminator (20 in.) Brilliant yellow, streaked red. A dazzling color. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Joan of Arc (20 in.) Beautiful sunflower-yellow, base and anthers of same color; long flower; very graceful and attractive. Doz., \$2.35; 100, \$16.00; 1,000, \$155.00.

Marvel (25 in.) Amber-yellow, with rosy lilac flush at center of petals; inside bright yellow, shaded brown toward base with green star. Medium sized flower, becoming quite yellow with age. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00. (Illustrated on Inside Back Cover.)

***Moonlight** (20 in.) Long, narrow flower of beautiful pale yellow. Opens two or three days sooner than most yellow Cottage tulips. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Mr. Dames (20 in.) Deep golden yellow with large egg-shaped blooms. This tulip is quite different in form from the other yellow tulips, as the flower is very wide and full. Very deep color. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00.

Mrs. Moon (30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Mrs. F. E. Dixon (Sulphur Beauty.) (20 in.) We never believed a tulip could be so pure, clear and wax-like in texture until we saw this variety. The flowers are enormous, and the bloom large and globular. Color very clear sulphur yellow. Doz., \$4.50; 100, \$35.00.



OAK PARK COLLECTION COTTAGE TULIPS

Ten each of the following ten representative varieties of Cottage Tulips, (100 first size bulbs) will be sent postpaid for..... **\$6.00**

- 10 Rosabella, pure pink.
- 10 John Ruskin, salmon rose.
- 10 Argo yellow with red.
- 10 Maiden Blush, white with rose margin.
- 10 Inglescombe Pink.
- 10 Mrs. Moon, fragrant yellow.
- 10 Glare of the Garden, crimson.
- 10 Fairy Queen, heliotrope.
- 10 Miss Blanche, white.
- 10 La Merveille, orange.

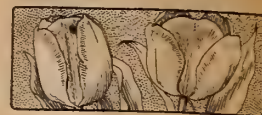
This collection of 100 bulbs of the delightfully graceful, brilliantly colored Cottage Tulips will insure your garden a well balanced display.

Vaughan's Special Mixture COTTAGE TULIPS

An excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Per doz., 75c; 100, \$5.50; 1,000, \$50.00.



Breeder Tulips



BREEDER tulips are closer to the parent type of this ancient flower than others. The origin of the tulip is hidden in the dim past. But we know that the Dutch fanciers who in 1634 to 1637 speculated in new varieties during the reign of tulipomania grew the "mother bulbs," or Breeder tulips, to produce new striped varieties by "breaking." The Darwin race is supposed to have developed from the Breeders. For a long time the dark, rich colors of the latter were neglected in favor of the brighter and clearer tones of the other types. But recently taste has changed, and the richly hued Breeders have come into favor.

They blossom in May, and though not so tall, perhaps produce, as a rule, even larger blossoms than the Darwins. The colors include many rare among flowers—browns, bronzes, purples, blue-blacks, deep mauves, dull gold and dark lilac all exquisitely blended.

Planting. Plant the same as Darwins.

Bacchus (28 in.) Despite the fact that this is one of the oldest Breeder tulips in existence, having been introduced over 300 years ago, there is no other tulip that can be called its superior in clear, richness of color and beauty of form. The flower is rather narrow and long for a Breeder, the color is very similar to the purple of Concord grapes. Doz., \$1.10; 100, \$7.50; 1,000, \$70.00. (Illustrated on Inside Back Cover.)

Brigadier (27 in.) A chestnut-brown shaded orange, bordered lighter orange, oval shaped flower of good substance. Doz., \$1.45; 100, \$11.00; 1,000, \$100.00.

Bronze Queen (28 in.) Soft buff, inside tinged golden bronze, good forcer. Doz., 90c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Inside Front Cover.)

Cardinal Manning (28 in.) An extremely late flowering tulip. It warms the heart to see the rich wine red flowers of this variety open fresh and bright after most of the others are drooping with old age. Doz., 90c; 100, \$6.75; 1,000, \$62.50.

Chestnut (24 in.) Very dark brown, almost black. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Copernicus (29 in.) Dark coppery bronze, with a slight flush of bronzy old-rose; interior is a warm brown, with a yellow base. The flower is large, carried upon a sturdy stem. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Creation (25 in.) Without question one of the finest orange bronze tulips ever introduced. When in full bloom the flower becomes bright orange with a delicate shade of bronze. A glorious tulip when forced in mid-January. Large flower on a tall and strong stem. Doz., \$1.80; 100, \$13.00; 1,000, \$125.00.

Don Pedro (27 in.) A beautiful shade of coffee-brown, shaded maroon, inside rich mahogany. Most fragrant. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00. (Illustrated on Inside Back Cover.)

Feu Ardent (28 in.) Brilliant, deep fiery red with pure golden yellow base. Very large cup shaped flower. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Golden Buff (28 in.) A tremendous tulip on a tall and stiff stem, dull golden buff, center greenish yellow. When forced this flower becomes bronzy-yellow and is superior to any variety in this shade. Doz., \$1.80; 100, \$13.00; 1,000, \$125.00.

Golden Bronze (24 in.) Beautiful bronzy yellow, good forcer. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Goldfinch (29 in.) Large golden chestnut, interior mahogany bronze, flushed lilac through center of each petal, pointed flower on tall strong stem. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Heloise (25 in.) Enormous flower of fine form, deep magenta-red, with a yellow base edged olive. This variety bears our special recommendation. Doz., \$1.15; 100, \$8.50; 1,000, \$80.00.

Indian Chief (38 in.) Above all other tulips, even Louis XIV Indian Chief towers like a giant, dwarfing in comparison varieties that we long considered unsurpassable. The flower is enormous, very widely opened, and squarely built. The flower is Indian brown in color, the petals are of very heavy texture, the stem extremely heavy and straight as a ram-rod. Doz., \$2.00; 100, \$15.00; 1,000, \$145.00.



A PLEASING PLANTING AROUND THE GARDEN POOL



Vaughan's Special Mixture of Breeder Tulips

An excellent collection of this popular class of Tulips, including many rare colors. Per doz., 75c; 100, \$5.00; 1,000, \$45.00.



James Watt (25 in.) Brownish black, edged purple, with golden bronze margin; inside bronzy purple. A gigantic and very handsome tulip. Per doz., 90c; 100, \$6.75; 1,000, \$62.50.

Jaune d'Oeuf (24 in.) Old gold and yellow flower of fine shape and strong stem. Yellow base. Doz., 90c; 100, \$6.75; 1,000, \$62.50.

La Douceur (32 in.) Beautiful violet blue, with a white base. The flower is large and delicately formed. Doz., \$1.35; 100, \$10.00; 1,000, \$95.00.

Louis XIV (36 in.) An immense flower, rich purple, with golden bronze margin; inside bronzy purple. A gigantic and very handsome tulip. Per doz., 90c; 100, \$6.75; 1,000, \$62.50. (Illustrated on Inside Front Cover.)

Lucifer (28 in.) An assembly of very capable judges of flowers pronounced this variety the most beautiful of the orange red tulips. Very late flowering, tall stem, and very brilliant color. Good form and excellent substance. Doz., \$1.10; 100, \$7.75; 1,000, \$72.50.

Madame Lethierry (26 in.) A combination of two shades of old rose suffused with amber give this tulip a distinct salmon coloring, quite unusual to this class of tulips. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Old Times (23 in.) Dull purple, edged primrose yellow, with bronze interior and star-shaped yellow base. The flowers are rather long and somewhat pointed in form. One of the few tulips of English origin. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Orange Glory (26 in.) Bright golden bronze with orange flush, perfectly globular flower of great substance. Doz., \$1.95; 100, \$14.50; 1,000, \$140.00.

Panorama (24 in.) (Fairy) Rich deep red of beautiful form, strong stem and good substance. Excellent cut flower. Doz., 90c; 100, \$6.50; 1,000, \$60.00. (Illustrated on Inside Front Cover.)

Pink Pearl (26 in.) A new Breeder and quite the finest of its color. The outside of the flower is a lilac pink, inside rose, with a beautiful white base. A magnificent, egg-shaped flower. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Plutarchus (26 in.) Bronze, shaded at base with terra cotta, a very handsome tulip. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Prince of Orange (25 in.) Orange-scarlet, edged light yellow flower of striking beauty. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00. (Illustrated on Inside Back Cover.)

Reve D'Or (27 in.) Very bright orange yellow with small olive green base. Large and well formed flower on strong stem. Height, 27 inches. Doz., \$1.80; 100, \$13.00; 1,000, \$125.00.

St. James (28 in.) Dark rosy lilac, edged bronzy tan, with coppery rose flush at tips of petals; inside ruddy mahogany, edged golden brown with yellow and green base. Large, tall. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Tantalus (30 in.) Light cadmium-yellow, overlaid with dull slate-violet; base dark yellow, anthers black. Flower cup-shaped. Doz., \$1.85; 100, \$13.50; 1,000, \$130.00.

Turenne (25 in.) A remarkably fine tulip of rich purple, broadly margined amber, inside brownish yellow. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Velvet King (21 in.) Crimson-maroon, reflecting a purplish "bloom"; deep crimson inside. Creamy white base. Rounded petals. Distinct in color and shape from Zulu. Very fine. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Violet Queen (26 in.) Large ruby-violet of stately habit. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Virgilius (28 in.) A magnificent color of rich violet-purple, with a rather indistinct base, blending into the predominating color. The form of this tulip is very beautiful, the size of the flower large, and the stem strong. Doz., \$1.25; 100, \$9.50; 1,000, \$90.00.

Vulcain (25 in.) Reddish apricot, with broad margin of bright buff-yellow, inside dark apricot, edged yellow, with dark green base, starred yellow. A flower of splendid form and in color unlike any other tulip. Doz., \$1.10; 100, \$7.75; 1,000, \$72.50.

William the Silent (26 in.) Enormous, handsome flower of dark violet-purple with white base. The cup is well opened, the stem strong, and the flower has a glossy sheen. Doz., \$1.95; 100, \$14.50; 1,000, \$140.00.

Lake Forest Collection BREEDER TULIPS

Ten each of the following ten representative varieties of Breeder Tulips (100 first size bulbs) \$700 will be sent, postpaid, for.. **\$700**

- 10 Don Pedro, coffee brown
- 10 Bacchus, grape blue
- 10 Bronze Queen, soft buff
- 10 Velvet King, purple
- 10 Panorama, deep red
- 10 Louis XIV, purple and gold
- 10 Prince of Orange, orange scarlet
- 10 Cardinal Manning, wine red
- 10 Heloise Magenta-red
- 10 Lucifer, orange red

This collection of 100 bulbs will insure your garden a well balanced display of the richly colored, artistic Breeder Tulips.



Striped and Parrot Tulips



TULIP FANTASY
Clear Pink Parrot Type

Parrot Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all tulips. Flowering at the same time as other late sorts; they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height is 15 inches.

Admiral de Constantinople Red, tipped orange. Per doz., 90c; 100, \$6.50; 1,000, \$60.00.

Fantasy A remarkable Parrot Tulip with a straight, strong stem, a quality which has always been lacking in Parrot tulips. This variety is a sport of the well-known Darwin tulip, Clara Butt, and has the same clear pink color as its parent, combined with artistic form of a Parrot tulip. Each petal is over three inches long, and two inches across. The center of the petals on the outside are marked emerald green. 3 for 50c; doz., \$1.85; 100, \$12.50. (Illustrated on Back Cover.)

Lutea Major Bright yellow; large. Per doz., 90c; 100, \$6.50; 1,000, \$60.00.

Markgrave Yellow, striped scarlet and green. Per doz., 90c; 100, \$6.50; 1,000, \$60.00.

Couleur Cafe Brown and yellow. Per doz., 90c; 100, \$6.50; 1,000, \$60.00.

Cramoisie Brilliant Deep crimson with large dark center. Per doz., 90c; 100, \$6.50; 1,000, \$60.00.

Gloriosa Red and yellow. Per doz., 90c; 100, \$6.50; 1,000, \$60.00.

Mixed Superfine Per doz., 85c; 100, \$6.00; 1,000, \$55.00.



Rembrandt Tulips



REMBRANDT tulips are in reality "broken" forms of Darwin tulips. Broken tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms possess splendid decorative value. The stems average from 18 to 22 inches in height.

Anne Mary Base pure white, anthers black. Petals mainly white with some reddish violet stripes. Received Award Merit (Haarlem). Height, 22 inches. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Striped Tulips

THOUGH too gay for modern taste to serve in large plantations, the old-fashioned striped tulips are beautiful. They prove that the Dutch tulipomania was not without excuse, and no gardener who wishes his collection to be representative will be without some specimens.

Bizarres Mixed. Flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple on yellow ground. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Bybloemens Mixed. White ground, blotched, striped or feathered with lilac, purple, violet, blue. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Lily Flowered Tulips

As the result of crossing the dainty pointed-petaled *Tulipa retroflexa* with a pink Darwin, we have here a new, very beautiful, and distinct race of Tulips having graceful, slightly reflexing flowers on tall, sturdy stems.

Adonis (24 in.) Long fine shaped flower of a vivid rosy red. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Alaska (27 in.) Long-shaped flower, with slightly reflexing outer petals. The whole flower is a rich, golden yellow. A prize winner which is as beautiful as it is novel. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Artemis (24 in.) Bright carmine-rose, pure white base. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Retroflexa Superba (18 in.) Deep golden yellow, with very pointed recurving petals. Very graceful and sweet-scented. Height, 20 in. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Sirene (24 in.) A very beautiful flower. Rich rose-pink with pale-pink at the margins of segments, white base. Fine forcer. Great exhibition flower of exquisite beauty. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

Talisman (22 in.) Orange-yellow flushed pink with reflexing outer segments. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Wild Tulip Species

For the Rock Garden and Hardy Plant Border

The general characteristics of the various species, all of which are natives of Asia Minor and Central Asia, are bright colors and recurved petals. These Tulips do not always feel happy in their new surroundings and after two, or possibly three, seasons they will disappear. With care and the provision of suitable quarters they will flower quite satisfactorily. They feel best contented in rock gardens and borders.

Australis (Celsiana) Yellow, tinged on outside of petals reddish bronze, a pretty species somewhat resembling *T. Sylvestris*, is found growing in Spain and Southern Europe. Height 16 inches. Flowering in April. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Cornuta Stenopetala Beautifully formed flower, lacinated like a Parrot Tulip, but held upright on tall, stiff stem. Very interesting and curious in a collection. Color combination, scarlet and gold. Doz., \$2.35; 100, \$16.00; 1,000, \$155.00.

Clusiana "Lady" or "Candystick" Tulip. Outer petals bright cherry red, inner petals creamy white, with violet base; small flower, but very distinct. It should be planted in light soil 6 or 9 inches deep, in the rock garden or among stones in the front of the herbaceous border. A warm and sheltered situation should be chosen where it will prove to be a gem among early flowers. Flowering season late April. Height, 8 inches. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Eichleri A grand Tulip from Turkestan; immense crimson-scarlet flowers with glistening black center marked with gold. Flowers at the same time the single early tulips do. Has very pointed petals. Height 11 inches. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Florentina Odorata (Sylvestris) Deliciously fragrant butter-yellow blossoms, often two to a stem, with bronze exteriors, carried on slender, arching stem. Increases rapidly when once established. Interplant with Grape Hyacinths. Height, 18 inches. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Fosteriana Immense flower of a brilliant scarlet with yellow or yellow maroon. Will bloom very early if grown in pots. Doz., \$3.00; 100, \$22.50.

Greigi Brilliant Orange-scarlet, with deep yellow goblet-shaped flower, pointed, slightly reflexing petals and broad, thick leaves flushed with purple. Flowers in late April and May, and is a gorgeous Tulip. Wants a hot, dry situation. Height, 5 inches. Doz., \$4.00; 100, \$30.00.

Kaufmanniana (The Water Lily Tulip). Large, creamy flower, brilliantly marked with carmine, yellow center. Flower opens flat and is carried on a stem usually 6 inches in height. Blooms early in April. The bulbs should be planted six inches deep. Splendid for naturalizing in shady places; self-sows freely. One of the first to flower. Height 5 to 7 inches. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Linifolia Light vermilion red. Extra fine for the rock garden. Doz., \$3.00; 100, \$22.50.



SPECIES, TULIP CORNUTA STENOPETALA



Rembrandt Tulips



Julienne Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Red Prince Rose-flamed fiery red. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Semele White, heavily striped and feathered, vivid rosy pink. Large, of exquisite coloring. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Thetis Base blue stripes, anthers black. Petals cochineal-carmine and wide white stripes. Height, 24 in. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Vesta Lilac, striped and flamed dark carmine. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

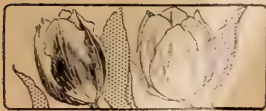
Zenobia Amaranth and white, feathered brilliant brown. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Extra Fine Mixed

Doz., \$1.00; 100, \$7.00; 1,000 \$65.00.

Bunch Flowered Tulips

Monsieur Mottet A most charming and very unusual scene is to see this tulip in full bloom. It is unusual, for it always produces not one, but three to six or more flowers from each bulb. The flowers are of Cottage form, narrow and pointed, and cream white in color. A very interesting and fine garden tulip. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.



Single Early Tulips



TULIP FRED MOORE

Yellow and Orange

General De Wet 10a, beautiful deep orange, shaded golden yellow at the base of the petals. A very fragrant flower and one of the finest newer sorts in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Doz., 90c; 100, \$6.25; 1,000, \$57.50. (Illustrated on Inside Back Cover.)

King of Yellows 9a, deep golden yellow. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Mon Tresor 7a, The purest yellow and best variety for outdoor planting as well as inside growing. Very large cup of golden yellow. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Rising Sun 8a, The brilliancy of its namesake is seen in the golden beauty of this magnificent tulip. Large, of good form, and sturdy growth, it is an ideal tulip for bedding and border. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Yellow Prince 8a, golden yellow, fine forcer. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Single White

Diana 14b, pure glistening white, with a yellow base; long flower of handsome shape. A fine new tulip which grows more beautiful as it ages. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

La Reine Maxima. 8b, A lightly flushed white tulip of large size. Makes charming beds with lavender violas. Splendid for forcing. Height 13 inches. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Lady Boreel 8b, pure white, splendid. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

White Swan 15b, pure white. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

White Hawk 7a, white; very fine. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Vaughan's Special Single Mixed

Per doz., 75c; 100, \$5.50; 1,000, \$51.00.

The tulips which I ordered from you last fall have just blossomed and are a beautiful sight to behold. Shall want to order some more this fall so that I may have two hundred bulbs next spring.

Thanking you for giving this your usual prompt attention. Yours truly, Mrs. A. C. Foy, Mackinaw City, Mich.

TWO OR THREE weeks of brilliant color in April, following the daffodils and preceding the Darwin tulips, are worth much to any garden. The early tulips alone can supply it; and among them can be found varieties to play almost any part your garden scheme demands. It is a mistake to think of the early tulips as all short-stemmed, and too bright in color. It is true their brilliancy cannot be excelled by any other class of their own family or any other flower family that we know. But there are also varieties of delicate tints and shades, as beautiful and with flowers as large as anything the May-flowering classes can produce. In height, 12 inches is not uncommon, and a graceful carriage fits these taller kinds to serve in any role a Darwin would grace.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

Collections OF SINGLE EARLY TULIPS FOR INDOOR GROWING

25 Bulbs in 5 named varieties, **\$1.60** our selection, postpaid.....

50 Bulbs in 5 named varieties, our selection, postpaid.....**\$3.15**

100 Bulbs in 5 named varieties, our selection, postpaid.....**\$6.00**

Pink and Rose

Diadem 9a, A very beautiful, large flowered pearly pink tulip, with the interior slightly darker rose pink. This variety is outstanding because of its extreme earliness and tall, strong stem. Height, 19 in. Doz., \$1.35; 100, \$10.00; 1,000, \$95.00.

Flamingo 8a, carmine-rose and white. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Ibis 7a, Deep rose, flushed white at the bottom of the petals and yellow base. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Hobbema 8b, Old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. A tulip of remarkable coloring, and very beautiful when grown outdoors. Fine for late forcing; if forced early the color is not so clear. Height, 13 inches. Doz., 95c; 100, \$6.50; 1,000, \$60.00.

Pink Perfection 8a, One of the finest pink tulips that will give great satisfaction. Doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Pink Beauty 12b, bright rose-pink shading to blush-white. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Proserpine 8a, The best dark pink early tulip. All others fade into oblivion when Proserpine opens her dark glossy blooms. Truly a magnificent variety. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Rose Gris de Lin 7b, delicate rose, flushed white. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Rose Luisante 7b, brilliant deep pink. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

SPECIAL OFFER

SINGLE TULIP BEDS—EARLY FLOWERING

We can furnish at a special price, bulbs for circular beds in four colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in two years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

For 3-ft. bed planted 4 in. apart, 96 tulips, 24 each, red, white, yellow and pink, \$6.00, postpaid.

For 3-ft. bed, planted 6 in. apart, 36 tulips, 9 each, red, white, yellow and pink, \$2.25, postpaid.

For 4-ft. bed, planted 4 in. apart, 128 tulips; 32 each, red, white, yellow and pink, \$8.00, postpaid.

For 4-ft. bed, planted 6 in. apart, 60 tulips, 15 each, red, white, yellow and pink, \$3.75, postpaid.

Single Scarlet and Crimson

Artus 7b, a splendid deep scarlet. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Belle Alliance 8b, brilliant scarlet. Per dozen, 85c; 100, \$6.00; 1,000, \$55.00.

Brilliant Star 8a, bright glowing scarlet; very early. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Couleur Cardinal 8a, As its name denotes this variety possesses the brilliant red coloring called Cardinal. Immense blooms of good cup form open later than the usual run of early tulips, prolong their season into the earlier blooming Darwins. A great favorite at Saint Mary's of the Lake Seminary, Mundelein, Ill., where it is planted in large quantities. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Fred Moore 10b, beautiful, large orange scarlet flowers with lighter edge. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

Jonkoping 8a, Beautiful orange red. Very early. Doz., \$1.20; 100, \$9.00; 1,000, \$85.00.

Prince of Austria 8a, orange-vermilion. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Vermilion Brilliant 7b, dazzling vermilion-scarlet, fine for pots. Per doz., 75c; 100, \$5.50; 1,000, \$51.00.

Striped and Purple

Duc de Berlin 6a, clear scarlet, edged yellow. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Keizerskroon 10b, red with distinct wide golden border, one of the finest. Per doz., 95c; 100, \$6.75; 1,000, \$62.50.

Van Der Neer 7b, Large, brilliant violet purple. Excellent form, and striking color. Doz., 85c; 100, \$6.00; 1,000, \$55.00.



TULIP KEIZERSKROON



Double Early Tulips



THERE is a distinct revival of the popularity of double tulips. Coming a little later than the singles, they last much longer, and where the single and double are planted together the season of flowering is prolonged from two to three weeks. The double tulips require a soil more fertile than the singles for perfection of blossoms; and where well grown their mammoth peony-like flowers of delicate or brilliant coloring are most effective either in groups in the border, or in formal beds. The double tulips do very well when grown in pots for winter blooming, but they must be forced more slowly than the single tulips.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

Double Pink

Electra 8b. Magnificent, enormous flower; beautiful rose, feathered violet; a handsome novelty, unexcelled for exhibition purposes. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Murillo 7a (fancy), large pink, suffused white. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Peach Blossom 8a. deep rosy pink, deepening with age to a deep rose. A very fine flower with a wonderful color. A new variety of superb quality. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Queen of Pinks 7a. Beautiful rose pink. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Triumphator 9b. Magnificent bright pink, the best of the several sports of the popular "Murillo." It is an improvement upon the variety "Peach Blossom" which has long been recognized as one of the best double pink tulips. It is more double, the color is much softer, and the form much better than the last named. Height, 11 inches. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Collection

OF DOUBLE EARLY TULIPS FOR INDOOR GROWING

25 Bulbs in 5 named varieties, our selection, postpaid **\$1.90**
50 Bulbs in 5 named varieties, our selection, postpaid **\$3.65**
100 Bulbs in 5 named varieties, our selection, postpaid **\$7.00**



RUBRA MAXIMA—GIANT DOUBLE RED

Splendid Late Double Tulip

Bleu Celeste (Blue Flag) 10b. Blooming in May with the Cottage tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony), a delightful shade of pale bluish purple and are borne on long stems, making them splendid decorative flowers. Per doz., \$1.60; 100, \$11.00; 1,000, \$100.00.

Epicure 10b. Salmon rose shading to old gold near edges of petals. Very large flower and sturdy grower. Height, 18 inches. Doz., \$3.00; 100, \$22.50.

SPECIAL OFFER

DOUBLE TULIP BEDS—EARLY FLOWERING

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For 3-ft. bed, planted 4 in. apart, 96 tulips, 24 each, red, white, yellow and pink, \$6.75, postpaid.

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For 4-ft. bed, planted 4 in. apart, 128 tulips, 32 each, red, white, yellow and pink, \$9.00, postpaid.

For 4-ft. bed, planted 6 in. apart, 60 tulips, 15 each, red, white, yellow, and pink, \$4.50, postpaid.

Double White

Boule de Nieve 10b, pure white. Per doz., \$1.10; 100, \$8.00; 1,000, \$75.00.

Schoonoord (White Murillo) 12b, pure white. Extra fine. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Double Yellow

Couronne d'Or (Crown of Gold) 10a, beautiful rich, golden yellow. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Mr. Van der Hoef 12a. Yellow sport of Murillo with all its superb qualities. One of the very finest of the primrose-yellow double tulips. Doz., 95c; 100, \$6.75; 1,000, \$62.50.

Mr. Van Tubergen 12a. Beautiful golden yellow, a sport from Couronne d'Or. Large, exceedingly strong, full double flowers. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Tea Rose 12b, yellow and apricot. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Double Red

Imperator Rubrorum 9a, bright scarlet. Per doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

L'Aurora 8b. Orange red, large flower on strong stem. One of the loveliest double red tulips; when grown in pots the flower is large but compact. Doz., \$1.00; 100, \$7.00; 1,000, \$65.00.

Orange Nassau 10b, Bright orange-scarlet with a margin of orange. Outer petals shaded cherry-red. Doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Rubra Maxima 8b, dazzling scarlet. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.

Vuurbaak 9b. Bright scarlet, suffused orange. Per doz., 95c; 100, \$6.50; 1,000, \$60.00.

Double Striped and Otherwise Colored

Mystery of India 8b. Terra Cotta with bronze and rose combination; large flowers on strong stem, for bedding only. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Toreador 8a. Reddish orange and yellow. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.

Tournesol 8a, Red and yellow; very showy. Per doz., \$1.05; 100, \$7.50; 1,000, \$70.00.



Vaughan's Special

Mixture Made from the best named varieties that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers. Per doz., 85c; 100, \$6.00; 1,000, \$55.00.



Hole in One Planting Tools for Bulbs



Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 60c., postpaid, 70c. Large tool, \$4.00.

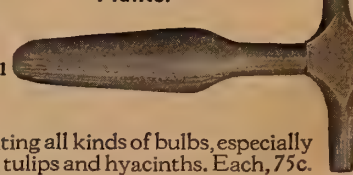


Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, 75c a pair postpaid.

A New, Handy Tool

1/5 Actual Size

Vaughan's Bulb Planter



For planting all kinds of bulbs, especially gladiolus, tulips and hyacinths. Each, 75c.



Dibber

For planting bulbs and plants. Steel point. Weight, 10 oz. Each, 90c.



Daffodils or Narcissi



COMING in March or April, Narcissi or Daffodils, are the first of the flowers that dominate. They are most pleasing in natural arrangements. They like to nestle at the feet of shrubs. Once planted they need not be lifted until they suffer from crowding.

The yellow large trumpets like a fairly heavy soil, while the white trumpets and Leedsii take more kindly to a sandy soil. Do not use fresh manure, but fertilizer only with bone meal. Plant the bulbs six inches deep and the same distance apart, in a deep, well worked soil.

and provide humus. Like the tulip, the daffodil will not thrive if there is fresh manure in the soil and bone meal alone should be used as a fertilizer when the bulb is planted. It likes a moist soil but it must have excellent drainage. The bone meal should be mixed in the soil below the bulb and if the soil is heavy, a cushion of sand is advisable.

Where to Plant Them

Daffodils are particularly fine subjects to plant under the edge of bushes or among perennials in the hardy border as they seem to like to nestle among the roots of their neighbors. A clump of golden trumpets peeping from beneath the overhanging branches of *Spiraea Van Houttei* or nestling in a sheltered angle of a building are one of the gladsome sights of early spring.

A few bulbs can be tucked into odd corners all about the garden and they will repay mightily when the first sunny days of spring bring their sturdy shoots breaking through the earth.

Daffodils and narcissus need not be moved for several years if they are flourishing, in fact not until the clump becomes so large that it is evident it needs to be divided and they should be replanted at once.

Trumpet

Aerolite A golden giant with flowers beautifully proportioned, graceful despite its size; perianth deep primrose, with a pure medium-yellow trumpet which is left in bold relief by the broad pointed star formed by the flat opening outer petals, an inch and a half wide; medium early, but one of the longest lasting of all daffodils either in the garden or after being cut. Each, 20c; doz., \$2.00; 100, \$15.00.

Emperor A magnificent sort. The entire flower is a rich yellow trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Each, 10c; doz., 90c; 100, \$6.00.

King Alfred "The King of Yellow Daffodils." Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures $2\frac{1}{2}$ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Double Nose Bulbs. Each, 20c; doz., \$1.75; 100, \$12.00. First size Bulbs, Each, 15c; doz., \$1.15; 100, \$8.00.

Lovenest One of the new "pink" daffodils, which represent a remarkable accomplishment by plant breeders, and the first important extension of the daffodil color range, is made available this year for gardens. The trumpet of saffron yellow is suffused with apricot pink, giving a distinct pink tone to the flower, making a beautiful color blend entirely new to the daffodil race. This variety is one of the daintiest of all trumpets, medium in height, with a starry perianth of informal type. Very early. A flower which will be the talk of your garden circle. Each, \$1.50; doz., \$15.00.

Mrs. R. O. Backhouse This is the famous "pink daffodil": fine informal perianth of ivory white, and beautifully proportioned, slim long trumpet of apricot pink, changing to shell pink at the deeply fringed edge; delicately beautiful but of exceptional substance; long lasting; early; belongs in every collection. Each, \$7.00.

Olympia A giant flower rivaling Van Waveren's giant in size; sulphur-yellow perianth, handsome yellow frilled trumpet. Each, 18c; doz., \$1.60; 100, \$11.00.

Spring Glory A very early showy bicolor daffodil with large white perianth, broad and spreading, trumpet large and handsome, bright yellow with open frilled mouth. Each, 15c; doz., \$1.25; 100, \$9.00.

Tresserve A flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring $2\frac{1}{4}$ inches across. Height, 17 in.; a fine exhibition variety. Each, 15c; doz., \$1.25; 100, \$9.00.

Van Waveren's Giant A giant trumpet daffodil; flowers of immense size, perianth primrose and of rather campanulate form, trumpet bright yellow with very large open mouth, flanged at brim. Ht., 18 in. Fine for bedding or for making bold clumps in the flower border. Each, 20c; doz., \$1.80; 100, \$13.00.

Warwick Another of the striking King Alfred seedlings outstanding in every way and very early; refined stem and neck bearing a star-shaped perianth of great substance; golden yellow, with trumpet a shade deeper in color. Each, 30c; doz., \$3.00; 100, \$22.50.

Incomparabilis

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

Bernardino Perianth creamy white, cup yellow edged orange, very free-flowering, good grower, recommended. Each, 15c; doz., \$1.20; 100, \$8.50.

Croesus Universally popular both for the garden and for exhibition; light canary-yellow perianth of perfect form, with outer petals nearly touching, the inner ones over-lapping, opening flat; broad fluted cup of rich orange to base; substantial, free-flowering, and a fine propagator; desirable in every way. Each, 20c; doz., \$1.80; 100, \$13.00.

Lucifer For color, a very showy flower; perianth white, cup an intense glowing orange-red, color lasting well in the sun, strong grower and free bloomer. Height, 17 in. Each, 10c; doz., 95c; 100, \$6.50.

Sir Watkin A well-known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large, rich, golden trumpet. Large size. Each, 10c; doz., \$1.00; 100, \$7.00.

Will Scarlet Medium-sized flower of informal habit; reflexed perianth, petals often slightly curled; good cup of yellow ochre with flaming orange-scarlet edge; fine for the rock garden or for naturalizing near a small pool. Each, 15c; doz., \$1.15; 100, \$8.00.

Poetaz

Crossing of *Poeticus* and *Polyanthus* varieties produced this perfectly hardy strain of bunch-flowering Narcissus. Do well planted in pots for winter flowers.

Cheerfulness The double *Elvira*, a very pleasing double white *Poetaz*, good stems, a fine garden and show flower. Each, 20c; doz., \$1.75; per 100, \$12.00.

Laurens Koster Perianth white, cup light orange-yellow. Each, 10c; doz., 90c; 100, \$6.00.

Orange Cup Yellow perianth, cup orange red nicely frilled. Each, 10c; doz., 95c; 100, \$6.50.



AEROLITE (Trumpet)

CROESUS (Incomparabilis)

DAFFODILS are the first of the major garden flowers to blossom in the spring. This makes them doubly precious, as heralds of a season of joy, after the long winter.

After several years of scarcity, due to the quarantine against importation of narcissus bulbs for sale, the supply of American grown bulbs has grown and the number of varieties obtainable here is much enlarged, while prices are much reduced.

Great advancement has been made in breeding new varieties, many of which we offer this year.

Types of Daffodils Defined

The Royal Horticultural Society of England divides the narcissus family into eleven sections and these with subdivisions to make it possible to classify the hundreds of new varieties appearing each year. As now accepted the various classes are as follows:

I. Trumpet Daffodils. (a) Varieties with yellow or lemon colored trumpets and perianth of same shade or lighter, but not white. (b) Varieties with white trumpet and perianth. (c) Bicolor varieties, those having white or whitish perianth and yellow, lemon, or primrose trumpets. Examples: (a) Emperor; (b) Mme. de Graaf; (c) Empress.

II. Incomparabilis. Cup or crown not less than one-third, but less than equal to the length of the perianth segments. (a) Yellow shades, with or without red coloring in the cup. (b) Bicolor varieties, with white or whitish perianths and self yellow, red stained or all red cups. Examples: (a) Sir Watkin; (b) Lucifer.

III. Barrii. Cup or crown less than one-third the length of the perianth segments. (a) Yellow shades, with or without red coloring on the cup. (b) Bicolor varieties, with white or whitish perianth and self yellow, red stained or red cups. Examples: (a) Barrii conspicuous; (b) Incognita.

IV. Leedsii. Perianth white and cup or crown white, cream, or citron, embracing all sizes found in the Incomparabilis and Barrii classes. Examples: Mrs. Langtry, White Lady.

VII. Tazetta and Tazetta Hybrids. Includes the bunch flowered or polyanthus narcissus and the poetaz varieties. Examples: Paper White, Elvira.

IX. Poeticus varieties. Example: Horace.

Other classes are omitted as they are not suitable for our gardens.

Culture of the Daffodil

The daffodil tribe likes a cool root run and its flowers are at their best in the cooler days of spring. Therefore it is essential to dig the soil deeply



Daffodils or Narcissi



Barrii

Their pedigree is similar to the Incomparabilis type, but they inherit more of the Poeticus character in having the cups less than one-third of the length of the perianth segments (petals) and more of the red parent blood suffused through the cup.

Thanks to the brilliant contrast effects due to color in the cup, the Barrii type is contributing many improved varieties to the daffodil list and it is here that further progress may be expected. The flowers have a character and grace which make them charming either for cutting or garden display.

Alcida Giant flower, pure white perianth opening flat, star-shaped, with individual petals over 1½-inch wide; broad citron-yellow cup with blood-orange frill; strong grower, fine substance and wonderfully free-flowering; very late. Each, 25c; doz., \$2.25; 100, \$17.00.

Brillianty A conspicuous seedling, 4 inches across, informal star-shaped perianth of pale primrose, with deep, broad, yellow cup, picoteed red-orange at the very edge. Each, 25c; doz., \$2.25; 100, \$17.00.

Conspicuous A flower of exquisite beauty, unexcelled for cutting; large, broad-spreading perianth; broad, short cup, conspicuously edged bright orange-scarlet. Lasts long in water. Each, 10c; doz., 90c; 100, \$6.00.

Diana Kasner A pure white perianth and a large fluted yellow cup with blood-red frill, very free-flowering and an excellent forcer. We consider this variety as one of the most valuable introductions and cannot recommend it too highly for show purposes. Each, 25c; doz., \$2.25; 100, \$17.00.

Early Surprise A little beauty; semi-dwarf habit of growth; pure white perianth with orange colored cup, fine for naturalizing and the earliest for forcing of this type. Each, 15c; doz., \$1.25; 100, \$9.00.

Firetail Deservedly popular the world over; broad petalled creamy-white perianth and large orange cup with scarlet-orange frill. Each, 35c; doz., \$3.50; 100, \$25.00.

Lady Moore Pure white perianth; yellow cup with orange frill; substantial flower remaining in good condition even where many other varieties "burn"; late, but an excellent forcer. Each, 18c; doz., \$1.60; 100, \$11.00.

Niobe Perfectly formed, flat-opening broad petalled perianth of creamy white; flat eye, edged intense red-orange; the unopened bud droops prettily, making a contrast with the opened flowers. Each, 45c; doz., \$4.50; 100, \$30.00.

Red Beacon A lovely flower which immediately attracts one by its brilliantly colored cup; the perianth is ivory-white, broad and of great substance, slightly shaded sulphur at base, cup prettily fluted and of the most intense fiery orange-red, shading down to golden-orange; ht., 15 in. Each, 15c; doz., \$1.20; 100, \$8.25.



DIANA KASNER (Barrii)

Leedsii

Have white perianths with white or sulphur trumpets. Most beautiful class for cutting.

Evangeline A tall dancing daffodil with reflexed, star-shaped, white perianth and lemon yellow cup; fine for naturalizing. Each, 10c; doz., \$1.00; 100, \$7.00.

Hera Broad-petalled creamy white perianth, star-shaped and deeply frilled cup of creamy white with a dainty edging of light primrose; one of the most chastely beautiful of all daffodils. Each, 15c; doz., \$1.30; 100, \$9.50.

Lord Kitchener Broad, flat, pure white perianth, very pale primrose crown. A very good variety. Each, 15c; doz., \$1.15; 100, \$8.00.

Louis Capet A dainty flower of perfect conformation; perianth white; trumpet light primrose, with golden anthers; foliage clean and upright, not too heavy; ideal for naturalizing and for the rock garden. Each, 20c; doz., \$2.00; 100, \$15.00.

Silver Star Perfect broad-petalled star-shaped perianth of pure cream-white, with finely proportioned, wide mouthed trumpet of primrose, changing to cream white, just a shade deeper than the perianth; extra fine, and very free-flowering. Each, 25c; doz., \$2.25; 100, \$17.00.

Poeticus

The pure white perianth and all-red or picoteed cup, and delicious perfume, peculiar to itself, makes this one of the most popular of all Narcissi.

Comus Fine flower of recurvus type; medium height and excellent for the rock garden; pure white perianth; flat lemon yellow eye, frilled deep red; fine foliage; excellent for naturalizing or for the rock garden. Each, 15c; doz., \$1.20; 100, \$8.50.

Ornatus Maximus A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut-flower. Large bulbs. Each, 10c; doz., 90c; 100, \$6.00.

Poeticus (Common Pheasant's Eye) The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Each, 10c, doz., 75c; 100, \$5.00.

Miniature Daffodils

The following are charming little subjects for rock work, where their dainty flowers are seen to perfection. They should be left undisturbed for years, and if happy will soon establish themselves and afford a lovely picture in early spring. All the Bulbocodium like moisture, and should therefore be planted at the foot of the rockery. When coming into bloom give water freely. Triandrus albus (Angel's Tears) delight in partial shade and a light gritty soil, and should be given a well-drained position.

Bulbocodium Citrinus Large sulphur Hoop Petticoat, very beautiful pale citron-yellow, height 6 to 8 inches. Each, 30c; doz., \$2.75; 100, \$20.00.

Bulbocodium Conspicuous Yellow Hoop Petticoat, flowers rich golden-yellow of hoop-petticoat form and rush-like foliage, height 6 inches. Each, 20c; doz., \$1.80; 100, \$13.00.

Triandrus Agnes Harvey A beautiful hybrid, perianth snow-white, cup pure white sometimes flushed a soft apricot, one to three blooms on a stem, slightly drooping, height 13 inches. Each, 20c; doz., \$2.00; 100, \$15.00.

Triandrus Albus An exquisitely beautiful little species, it is of slender growth and produces a cluster of elegant creamy white little flowers with globular cup and perianth reflexing, height 7 inches. Each, 25c; doz., \$2.25; 100, \$17.00.

Triandrus Queen of Spain A wild hybrid. The flowers vary slightly in size, and sometimes in form of trumpet, but all are a uniform, delicate creamy-yellow with graceful reflexing perianth, height 12 inches. Each, 25c; doz., \$2.25; 100, \$17.00.



TWINK (New Double)

True Jonquils

Jonquils are graceful, sweet-scented flowers which thrive well in a moist, shady position in borders. Flowers are arranged on the stem in a cluster.

Jonquilla Simplex The true single sweet jonquil, of light elegant growth, bearing out of doors in May clusters of numerous small rich yellow flowers of delicious scent. Each, 15c; doz., \$1.25; 100, \$9.00.

Jonquilla Flore-Pleno The old double sweet jonquil, produces in May little heads of rich yellow double flowers, very fragrant and attractive for cutting. Each 15c; doz., \$1.40; 100, \$10.00.

Double Varieties

Alba Plena Odorata The well-known double white, scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late-flowering, and will not force. Best suited for beds or naturalizing. Each, 10c; doz., 90c; 100, \$6.00.

Argent Nicely built flower of white and canary yellow; attractively formed, resembling a carnation, a cross between von Sion and Poeticus Ornatus. Each, 15c; doz., \$1.25; 100, \$9.00.

Dubloon Longer petals of primrose, interspersed with shorter petals of canary yellow, giving a golden glow to the entire flower. Each, 15c; doz., \$1.15; 100, \$8.00.

Indian Chief Very large and very double, bright yellow interspersed with orange; the petals curled and twisted. Each, 75c; doz., \$7.50.

The Pearl Creamy white, interspersed with sulphur yellow, deeper at center; charming. Each, 15c; doz., \$1.20; 100, \$8.50.

Twink It is double, of the semi-full type, the petals alternating a soft primrose and clear orange, and so arranged as to give the flower a most attractive appearance, and making it a most adaptable flower for large scale decorative work; is very free-flowering and hardy and we sincerely believe that this variety will be used by every commercial grower. It is a splendid show flower. Each, 40c; doz., \$4.00; 100, \$30.00.

Von Sion Pure golden yellow, full double. Good forcing variety. Each, 15c; doz., \$1.10; 100, \$7.00.

Mixture for Naturalizing

Our Special mixed contains all the high price Trumpet, Leedsii, Star and Poeticus types which we imported before Quarantine 37 went into effect and should not be compared with cheap mixed offered by many.

Vaughan's Special Mixed. Doz., 75c; 100, \$5.00; 1,000, \$45.00.



Miscellaneous Bulbs



The very first flowers of spring are the minor bulbs, snowdrops, scillas, chionodoxas, crocuses, which come before narcissi. On these pages will be found many other interesting garden treasures, including those fine subjects for rock gardens, erythroniums, brodiaeas and camassias.



ALLIUM

Very attractive little bulbous plants, somewhat resembling the Brodiaea, but with a closer head of flowers. Perfectly hardy, easily grown, and well adapted to rock gardens or to plant with other small bulbs. Thrive in almost any soil in sunny situations. Plant bulbs two inches and cover with leaves the first season.

Eastern Lake. It is one of the prettiest. 4 to 6 inches high, with pink flowers tinted lavender. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Unifolium. 6 to 10 inches high, with a handsome umbel of rosy-pink flowers. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

AMARYLLIS HALLII

(*Lycoris Squamigera*) For Outdoor Planting Produces in early spring attractive green foliage which grows until July when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—As the bulb is perfectly hardy without any protection it can be planted either in the fall or spring, but we consider fall the best time as the bulbs will have a chance to get established before flowering time. Cover the crown about four inches. Very useful for the border or among shrubbery. Each, \$1.00. Doz., \$10.00.

ANEMONE (Windflower)

They succeed best in light, rich, well-drained loam. Plant in early October, or as soon as the ground can be worked in the spring. If planted in the autumn they should be covered with leaves, straw or long manure on the approach of winter.

His Excellency. A grand variety bearing flowers measuring as much as 3 inches across of the most vivid velvety vermilion, with glistening silvery white base on a blue background. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Special Mixed. Doz., 70c; 100, \$4.50; 1,000, \$40.00.

St. Brigid, a grand strain of Poppy Anemones whose flowers range in color from the deepest crimson to the purest white, embracing such delicate shades as cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., 85c; 100, \$6.00; 1,000, \$55.00.

BRODIAEAS

Coccinea, The Floral Firecracker, has stems rising to 2 feet, while the flowers are a vivid crimson tipped with pea-green. The resemblance to a bunch of firecrackers catches the eye at once. A group of these bulbs in a mass of ferns or light-foliaged plants is striking, and they do very well potted. They prefer a loose soil, and preferably gritty. Each, 15c; doz., \$1.50; 100, \$10.00.

Capitata. There are several species of Brodiaea called California Hyacinths, and a good one is *Capitata*. The stem is slender, capped with a head of violet-blue flowers. They revel in hot, dry places among rocks or in grit, and flower very early. Doz., 70c; 100, \$4.50; 1,000, \$40.00.



CALOCHORTUS

True Mariposa, or Butterfly Tulips

Cup-shaped flowers, one to many on a stem, marked with eyes and dots and pencilings in rich colors, yet each strain carrying out the plan on a color scheme of its own. "Mariposa" is the Spanish word for butterfly.

El Dorado. The plants of this strain grow from 1 to 2 feet high and branch. The flowers are marvelous in variety. Scarcely two are alike; they may vary through white, lilac to purple and again through shades of pink to deep claret-red. They thrive best in porous soil, sandy or gritty, either in sun or light shade. Flowers are 2 to 4 inches in diameter.

Venustus Citrinus. A most satisfactory hardy species with deep rich yellow flowers with a black eye. Most excellent.

The above: Doz., 80c; 100, \$5.50; 1,000, \$50.00.

CALLA LILIES

White, Ready Now. A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer.

First Size (1 1/4 to 1 1/2 in.)...Each, 15c; doz., \$1.50; 100, \$10.00.

Select Size (1 1/2 to 1 3/4 in.)...Each, 25c; doz., \$2.50; 100, \$18.00.

Mammoth (2 to 2 1/2 in.)...Each, 40c; doz., \$4.00; 100, \$28.00.

Golden Yellow Elliottiana,

Ready in November

New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden yellow; foliage dark green, with translucent creamy spots, strong bulbs.

First Size (2 to 2 1/2 in.)...Each, 25c; doz., \$2.50; 100, \$18.00.

Mammoth (2 1/2 to 3 in.)...Each, 35c; doz., \$3.50; 100, \$25.00.

Jumbo (3 in. and up)...Each, 50c; doz., \$5.00; 100, \$35.00.



SPRING FLOWERING CROCUS



SPRING-FLOWERING CROCUS

One of the earliest flowers to open in Spring, the Crocus, makes an effective show when planted in masses or arranged in groups in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. The large-flowering named varieties are ornamental when flowered in pots, six or eight bulbs in 5-inch size. Will not flower in too much heat. Plant 1 inch deep.

Baron Von Bruno. Deep purple.

General Gordon. Purple.

Julia Culp. Late flowering large purple.

King of Whites. Large flowered, extra fine.

La Majestuese. White striped purple.

Maximilian. Splendid sky blue.

Mont Blanc. Pure white.

Pallas. White striped light lilac, one of the best.

Purpurea Grandiflora. Dark purple.

Queen Victoria. Pure white.

Select Yellow. Golden yellow.

Any of the above: Doz., 50c; 100, \$3.25; 1,000, \$27.50.

Mammoth Yellow. Largest flowered Golden Yellow.

Doz., 55c; 100, \$3.50; 1,000, \$30.00.

Mixed Blue and Purple Varieties.

Mixed Striped Varieties.

Mixed White Varieties. Large Yellow.

Doz., 35c; 100, \$2.50; 1,000, \$20.00.

CROCUS—Vaughan's Special Mixture Giant-Flowered. Doz., 45c; 100, \$3.00; 1,000, \$25.00.

CAMASSIA

Camassias are attractive garden plants with which the average amateur is not familiar, but which can be grown readily enough in any garden, and which may be associated particularly well with tulips. The bulbs should be planted at this season. They should go four inches underground, and be spaced about five inches apart. A little clump of camassias blooming in May will add much to the beauty of the garden, and will certainly prove a novelty. The flowers are starlike in appearance, and borne on long spikes, the colors being lavender, purple or white. The purple species, called *Camassia Esculenta*, is particularly good.

Leichtlini, a California species, comes in deep blue and white. Either color, each, 15c; doz., \$1.50; 100, \$10.00.

Esculenta. Light blue flowers borne gracefully erect. The hyacinth-like blooms are pure in color, and will thrive almost anywhere. Height, 18 inches to 2 feet. Each, 10c; doz., 65c; 100, \$4.50; 1,000, \$40.00.

CHIONODOXA (Glory of the Snow)

One of our loveliest Spring flowers, when established its sheets of blue in very early Spring are a great attraction in borders, dotted over bulb beds, or massed on rock-work.

Lucillae. Bright blue with large clear white center. Doz., 45c; 100, \$3.00; 1,000, \$25.00.

Sardensis. Intense deep blue. Doz., 45c; 100, \$3.00; 1,000, \$25.00.



ERANTHIS HYEMALIS (Winter Aconite)

Early in Spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green cushion of leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. Eight inches high.

Doz., 50c; 100, \$3.25; 1,000, \$30.00.

DOG TOOTH VIOLETS (Erythroniums)

If they had no other beauty than that of their richly mottled leaves, they would be well worth a place in the shady corner. Their flowers are 3 inches across, with stems 6 to 18 inches high. The colors run in delicate tints of white, pink, cream, bright yellow and rose. They are hardy in the coldest parts of the United States, and while they are at their best in a loose, gritty soil, rich in leaf mold, they also thrive in the greatest variety of clays, grits and rocky soils. In woodlands, in shaded corners, or in the crevices of rockwork in shade, is the place to naturalize them.

Americanum. It produces in April, small, lily-like flowers, which vary through white, pink, bright yellow, rose, and cream. The beauty of the flowers is greatly enhanced by the richly mottled leaves. They like a light, rather moist, well-drained soil. The bulbs should be planted about 5 inches deep. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

Californicum has large cream-colored flowers. Leaves richly mottled. Easy to grow, and a large colony is a beautiful sight. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

Citrinum is rather more erect in habit, with flowers almost pure white with strongly contrasting deep citron on lower third. One of the loveliest of all. Per doz., 75c; 100, \$5.50; 1,000, \$50.00.

Grandiflorum Robustum is a superb species with flowers of the brightest buttercup yellow. The leaves have no mottling—just plain green. It always attracts attention. Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Hendersonii. Like Californicum, but the flowers are a lovely light purple, with centers a deep maroon, almost black. Most striking. Doz., 75c; 100, \$5.50; 1,000, \$50.00.

Revolutum Praeox is an early blooming unusually fine variety. The leaves are mottled in browns, the flowers large and of a very fine rich-cream color, richly banded maroon. One of the finest of all. Per doz., \$1.00; 100, \$6.50; 1,000, \$60.00.

Mixed, All Sorts. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

FRITILLARIA RECURVA (Mission Bells)

A beautiful woodland plant from Southern California. 1½ to 2 feet, and producing dainty orange-scarlet flowers. They prefer partial shade and a loose soil.

Doz., \$1.75; 100, \$12.00; 1,000, \$100.00.

FRITILLARIA MELEAGRIS

Singular dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors; yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable and exceedingly pretty when grown in large groups in the garden border or wild dry situation.

Doz., 50c; 100, \$3.50; 1,000, \$30.00.

FRITILLARIA IMPERIALIS

The Crown Imperial is a stately hardy border-plant, very effective in Spring when grouped in woodlands, wild gardens, orchards. Bell-shaped flowers, orange, red and checkered. Plant 12 inches deep, in well drained location.

Each, 45c; doz., \$4.50; 100, \$35.00.

IXIAS

The Ixia colors are rich, the center always differing in color from the petals. Very desirable for pots. If planted outside be sure to cover with straw or leaves. **Named Varieties.** Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Mixed. Doz., 45c; 100, \$3.00; 1,000, \$25.00.

The tulip bulbs purchased last fall were very nice and beautiful blooming. Everybody admired them. Marie Rode, Waukegan, Ill.

Miscellaneous Bulbs



RANUNCULUS (Buttercup)

Plant in November for early spring bloom in frames. Set 3 or 4 inches apart, pressing firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers two inches under the surface. Water them well.

FRENCH MIXED. Doz., 65c; 100, \$4.50; 1,000, \$40.00.

VICTORIA HYBRIDS. Far superior of any Ranunculus that we know. Flowers are double and large. Doz., 80c; 100, \$5.00; 1,000, \$50.00.

SCILLAS (Squills)

As edgings and masses in beds and borders, Scillas are most valuable. They succeed in shady flower borders and bare shady places and odd corners.

SIBERICA (The Blue Squill). Bright blue, nothing more beautiful for edgings or pots in early Spring, flowering with the Snowdrop. Height, 4 inches.

Mammoth Bulbs. Doz., 65c; 100, \$4.50; 1,000, \$40.00.

Siberica Alba. A white sport of Siberica Blue. Identical in form and easy blooming qualities. Doz., 65c; 100, \$4.50; 1,000, \$40.00.

CAMPANULATA (Clear Blue). Very erect in habit (15 inches). Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Alba. Pure white (12 in.). Doz., 65c; 100, \$4.50; 1,000, \$40.00.

Rosea. Fine rose (15 in.). Doz., 65c; 100, \$4.50; 1,000, \$40.00.

NUTANS Blue. The true English blue-bell. In its native habitat it abounds in woodlands literally carpeting the ground. Gracefully arching stem carrying many violet blue flowers, opening after most other Scillas are gone. Very hardy. Doz., 60c; 100, \$4.00; 1,000, \$35.00.

NUTANS Alba. Pure white companion to the above, with long arching stem. Beautiful when naturalized in copses, shady walks, etc. Also prized for cutting. Doz., 50c; 100, \$3.50; 1,000, \$30.00.

SCILLA PERUVIANA Clusi. The Cuban Lily flowers deep blue in large spreading umbels. Blooms early summer on stems about 12 inches high. Each, 25c; doz., \$2.50; 100, \$18.00.

TRITELEIA

UNIFLORA VIOLACEA. A rootlike bulb which produces in early spring a pale violet-blue flower with white center. The bloom somewhat resembles the Chionodoxa, in addition, it is delightfully fragrant. They spread and multiply with amazing rapidity and are excellent in the rockery or in masses under shrubs or trees where nothing else will grow. They are perfectly hardy, requiring no protection. About 3 inches high. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

SNOWDROPS (Galanthus)

Snowdrops flower while Tulips are just sprouting, and when the flowers are over, there remains a groundwork of green foliage.

Single. (Largest Bulbs.) Doz., 60c; 100, \$4.00; 1,000, \$35.00.

Double. (Largest Bulbs.) Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Byzantinus. The finest Giant Single Snowdrop blooming very early, and producing large, handsome, globular flowers. A very free bloomer, very valuable for indoor culture, for it will flower in January. Doz., 90c; 100, \$6.50; 1,000, \$60.00.

SPIRAEA (Astilbe) Ready November

Beautiful, hardy garden subjects, attractive, not only for their gayly colored, feathery plumes, but also for their glaucous foliage. In the perennial border where they flower year after year, increasing rapidly. They will thrive in almost any soil, but prefer heavy ground, and a semi-shade. June and July flowering.

White Varieties. Each, 50c; doz., \$5.00; 100, \$40.00.

Pink Varieties. Each 50c; doz., \$5.00; 100, \$40.00.

SPRING SNOWFLAKE (Leucojum Vernum)

A favorite little early spring flower having drooping, bell-shaped flowers, white, with small brown tips. Once planted in a favorable environment, they come up every spring, bearing more flowers each time. Excellent for rock gardens and naturalizing.

Doz., \$1.00; 100, \$6.50; 1,000, \$60.00.



ERYTHRONIUM HENDERSONII

MUSCARI (Grape Hyacinth)

Beautiful little flowers for planting in masses either in shade or sun. Also adapted for growing indoors. Plant six bulbs in a five-inch pot. Perfectly hardy.

Blue. Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Doz., 45c; 100, \$3.00; 1,000, \$25.00.

Pure White. This is a beautiful companion to the above, and they make a striking show when planted together. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

Heavenly Blue. The best blue. Doz., 50c; 100, \$3.25; 1,000, \$27.50.

PLUMOSUM. Bearing in May handsome feathery plumes of violet colored flowers, very attractive. Doz., \$1.20; 100, \$8.00; 1,000, \$75.00.

ORNITHOGALUM

ARABICUM. (Star of Bethlehem.) Throws up a tall stem with a cluster of star-shaped flowers; pure white with dark centers. Excellent for cutting, lasting a long time in water. Also very adaptable to pot culture. Doz., 80c; 100, \$5.50; per 1,000, \$50.00.

UMBELLATUM. This is the small white hardy variety that is seen in great profusion around many of the old gardens. It propagates readily and adapts itself splendidly to naturalizing. It does well over a wide temperature range and blooms profusely each season with little or no care. Doz., 50c; 100, \$3.00; per 1,000, \$25.00.



SNOWDROP BYZANTINUS



The Hardy Lilies



LILIAM Auratum



LILIAM Regale



LILIAM Canadense



LILIAM Rubrum

Many imported lily bulbs arrive in this country very late in the fall. Note carefully the arrival dates stated below. If freezing threatens before your bulbs arrive, cover the soil with a heavy mulch to keep it soft.

LILIES are so beautiful, so fragrant, we are likely to think them too fine for the amateur to grow. But many are hardy, thrifty flowers, capable of surviving conditions which would overcome flowers much less beautiful. Grow them in the border in small groups, with background, where their beauty has a suitable setting for its display. They blossom, as a rule, in midsummer, when fine flowers are at a premium.

Lilies Arrive from Japan in November

Most Lily Bulbs, being of late maturity, are not ready before October and late November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or straw so the bulbs may be planted on arrival.

Lilium Harrisii, Candidum and Formosum are ready now, all others in November.

Outdoor Culture—When planting lilies out-of-doors, see that they have a well drained position, and where they will be shaded from very hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Never mix manure in the soil around lilies, but enrich with a standard commercial plant food or with bone meal. Many varieties are termed "stemrooters," that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top-dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies. Plant the bulbs 4 to 6 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

Indoor Culture—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top-dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench in full light. An occasional application of liquid cow manure, starting about six weeks before flowering time, will stimulate the plant wonderfully. Thorough rooting is essential.

Lilium Auratum

Ready Late November

The Gold-Banded Lily of Japan—The most beautiful variety of all the lily family—should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 in.), each, 20c; doz., \$2.00; 100, \$15.00.

Mammoth (9 to 11 in.), each, 30c; doz., \$3.00; 100, \$20.00.

Jumbo (11 to 12 in.), each, 45c; doz., \$4.50; 100, \$30.00.

Lilium Auratum Platyphyllum

(An Improved Auratum) Ready Late November

This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger.

First Size (8 to 9 inch), each, 30c; doz., \$3.00; 100, \$20.00.

Mammoth, (9 to 11 inch), each, 40c; doz., \$4.00; 100, \$28.00.

Jumbo (11-13 inch), each, 55c; doz., \$5.50; 100, \$40.00.

Lilium Auratum Pictum

Ready Late November

A very beautiful lily of recent introduction. The flowers are large, pure white in color, with the usual yellow band in the center of each petal, but in this novelty the tip of this band is splashed with red, while red dots replace the usual brown ones of the type. Give this lily as sharp a drainage as possible, preferably gravel or cinders covered with sand, with a layer of rich, friable soil overlaying the bulb, and you will be rewarded every year by a wealth of bloom, color, and fragrance. Plant six to eight inches deep.

Each, 40c; doz., \$4.00; 100, \$28.00.

Lilium Batemanniae

Ready October

One of the most beautiful of all lilies, its clear apricot coloring being so attractive it draws instant attention. The flowers are three to four inches in diameter, three to four feet tall, opening in August. Very hardy and easy of culture. Each, 30c; per doz., \$3.00; 100, \$20.00.

Lilium Browni Odorum

Ready October

Massive, trumpet shaped flowers, deliciously fragrant. They open pale yellow and fade quickly to a pure, creamy white color. The outside of the trumpets is bronze. Easy to grow if good drainage is provided. Each, 60c; per doz., \$6.00.

Lilium Canadense

(Meadow Lily)—Ready October

The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing.

Canadense Mixed—Each, 20c; dozen, \$2.00; 100, \$15.00.

Lilium Cernum

Ready November

The lilac colored Tenuifolium lily. A very sturdy, hardy lily of very easy culture and rare beauty. Nodding, recurved petals, on stems up to four feet tall but usually two and one-half to three feet.

Each, 25c; per doz., \$2.50; 100, \$18.00.

Lilium Concolor

Ready October

A very pretty Chinese lily, especially adapted to use in rockeries. Flowers are upright, starlike in form, deep vermilion. Blooms in July, 6 to 18 inches high. Plant four inches deep. Perfectly hardy in the most northern sections of the United States.

Each, 25c; dozen, \$2.50; 100, \$18.00.

LILIES—Continued

Lilium Croceum
Ready October

(Orange Lily.) A beautiful, stately lily from the Alpine Mountains. Here it thrives in almost any soil, and endures the smoke of the city very well. The flowers are four to five inches in diameter, bright orange-red, with orange center, spotted in some places with purplish black. It is a handsome, showy, vigorous and long-lived lily which grows three to four feet high and blooms in June.

Each, 35c; dozen, \$3.50; 100, \$25.00.

Lilium Elegans Mixed
(*Lilium Thunbergianum*)—Ready October

A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. The cup-shaped flowers range through the reds and yellows. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock-gardens. Each, 20c; dozen, \$2.00; 100, \$15.00.

Easter Lily—See *Longiflorum Giganteum*.

Lilium Hansonii
Ready October

The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, 40c; dozen, \$4.00; 100, \$28.00.

Lilium Henryi
Ready November

A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage.

8 to 9 inch. Each, 25c; doz., \$2.50; 100, \$18.00.
9 to 11 inch. Each, 35c; doz., \$3.50; 100, \$25.00.

Lilium Japonicum
(Formerly *Lilium Kramerii*)—Ready November

The flowers, a lovely shade of pale pink, are tubular, being held in a horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots which are kept in the cellar during the winter. Plant five inches deep, in a light, peaty soil which must be well drained.

Each 30c; dozen, \$3.00; 100, \$20.00.

Lilium Longiflorum Giganteum
Easter Lily—Not Hardy—Ready October

This is the lily commonly grown for Easter blooming. Bulbs ready in November. The larger bulbs produce more blooms.

Small bulbs 7-9 inches in circumference. Each, 20c; dozen, \$1.75; 100, \$12.00.
Medium bulbs 8-10 inches in circumference. Each, 25c; dozen, \$2.50; 100, \$18.00.
Mammoth bulbs 9-10 inches in circumference. Each, 35c; dozen, \$3.50; 100, \$22.00.
Jumbo bulbs 10-12 in. in circumference. Each, 55c; doz., \$5.50; 100, \$40.00.
Extra Jumbo 11-13 in. Each, 75c; dozen, \$7.50; 100, \$50.00.

Lilium Longiflorum
(Outdoor Easter Lily)—Ready November

Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature during the winter. Each, 25c; per doz., \$2.50; per 100, \$18.00.

Lilium Pardalinum—Ready October

(Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. One to thirty flowers on a 3-6 foot stem.

Each, 25c; per dozen, \$2.50; 100, \$18.00.

Lilium Philadelphicum—Ready October

(Wild Red Lily)—The flowers are three to four inches in diameter, produced one to five on a stem, one to three feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple, with red anthers. Blooms during June and early July.

Each, 20c; per dozen, \$2.00; 100, \$15.00.

Lilium Phillipinense Formosanum

A refined and graceful Lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to a height of 2-3 feet, are very robust and offer great resistance to wind and weather. It is hardy, very fragrant and one of the loveliest of the new varieties. Each, 25c; doz., \$2.50; 100, \$18.00.

**Lilium Candidum**
(The Madonna Lily) Now Ready

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders should, therefore, be mailed on receipt of this Catalogue.

We handle only the thick petaled type which is imported from Northern France.

18-20 CENTIMETERS (7-8 inch circumference). Each 20c; per dozen, \$2.00; 100, \$15.00.
20-22 CENTIMETERS (8-9 inch circumference). Each 25c; per dozen, \$2.50; 100, \$18.00.
22-24 CENTIMETERS (9-9½ inch circumference). Each 30c; dozen, \$3.00; 100, \$22.00.
24-26 CENTIMETERS (9½-10½ inch circumference). Each, 35c; dozen \$3.50; 100, \$25.00.
26 CENTIMETERS and over (10½-12 inch circumference). Each 45c; per dozen, \$4.50; 100, \$30.00.
28 CENTIMETERS and up (12-inch circumference and up), Each 55c; per dozen, \$5.50; 100, \$40.00.

Lilium Regale—Ready October

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance.

Small Size, 4-6 in. in circumference. Each, 15c; doz., \$1.25; 100, \$8.00.
First Size, 6-7 in. in circumference. Each, 20c; doz., \$1.75; 100, \$12.00.
Select Size, 7-8 in. in circumference. Each, 25c; doz., \$2.00; 100, \$15.00.
Mammoth Size, 8-9 in. in circumference. Each, 30c; doz., \$3.00; 100, \$20.00.
Jumbo Size, 9-10 in. in circumference. Each, 40c; doz., \$4.00; 100, \$28.00.
Extra Jumbo 10-11 in. Each, 50c; dozen, \$5.00; 100, \$35.00.

Lilium Speciosum Rubrum (Magnificum)
(The Lance-Leaved Lily)—Ready November

The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late Aug. and early Sept. bloomer. Plant the bulbs eight to ten inches deep.

First Size, (8-9), each, 25c; dozen, \$2.50; 100, \$18.00.
Mammoth Size (9-11), each, 30c; dozen, \$3.00; 100, \$22.00.
Jumbo Size (11-13), each 40c; dozen, \$4.00; 100, \$28.00.

Lilium Superbum—Ready October

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. Height, 3-8 feet. Each, 20c; dozen, \$2.00; 100, \$15.00.

Lilium Speciosum Album—Ready November

A pure white form of *Lilium Rubrum*.
First Size (8-9), each, 25c; dozen, \$2.50; 100, \$18.00.
Mammoth Size (9-11), each, 40c; dozen, \$4.00; 100, \$28.00.

Lilium Tenuifolium—Ready October

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 20c; dozen, \$2.00; 100, \$15.00.

Lily of the Valley—Ready October

Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors; they give a quicker and better effect at less cost.
Each, 50c; dozen, \$5.00; postpaid.



LILIAM Henryi.



LILIAM Umbellatum.



LILIAM Superbum.



LILIAM Tenuifolium.

LILIES—Continued

Lilium Testaceum**(The Nankeen Lily, Excelsum, Isabellum)—Ready Now**

An exquisite lily of unknown hybrid origin, but it is generally conceded to be a cross of the Madonna lily with the scarlet turks-cap, Chalcedonicum. It grows as high as six feet, the basal leaves are large, diminishing in size toward the top as in the Candidum. There are three to ten flowers, three to four inches across. They are nodding, with reflexed, waxy, glistening petals, rounded at the tips, and of a creamy peach color popularly known as Nankeen yellow. The anthers are a reddish orange, a delightful contrast against the cream of the flower. It blooms at the same time as the Madonna lily. The bulb, which should be planted five inches deep, does best when planted early in the fall.

18-20 Centimeters Each, \$1.00.
26 Centimeters Each, 2.00.

22-24 Centimeters Each, \$1.50.
Supply Limited.

Lilium—Tigrinum Splendens—Ready October

(Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems.

Each, 15c; dozen, \$1.50; 100, \$10.00.

Lilium—Tigrinum Flore Pleno—Ready October

(Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens. Each, 15c; dozen, \$1.50; 100, \$10.00.

Lilium Umbellatum**(Subspecies of Davuricum)—Ready October**

This group of lilies is of hybrid origin, resulting in crosses of the frail Lilium Davuricum (an Asiatic lily), with the European species, Croceum, and Bulbiferum. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Mixed. Each, 25c; doz., \$2.50; 100, \$18.00.

Lilium Willmottiae—Ready October

A beautiful and rather rare lily from China. Well grown specimens often carry more than twenty brilliant orange-red flowers, three inches across. The entire plant has a slender, graceful appearance, but still is very sturdy. The flowers are covered with very fine dots.

Each, 4 to 6-inch, 75c; per doz., \$7.50.

Each, 6 to 8-inch, \$1.00; per doz., \$10.00.

Hardy Bulbous Iris for the Garden

DUTCH IRIS

They resemble the Spanish Iris, but their habit of growth is more vigorous, the flowers larger, with conspicuous orange blotches on the wide falls. Buds open at least two weeks before the Spanish Iris, and immediately after the last of the May flowering tulips are gone. Through untiring years of hybridization, they not only surpass the Spanish Iris in size and sturdiness of growth, but also in brilliancy of color.

Adrian Backer. A beautiful, large flowering novelty of uniform lilac purple.

A. Bloemaard. Standards dark purplish blue, falls lighter blue, very large flower, early.

D. Haring. Flowers large, standards white, tinged lavender. Falls creamy white, with conspicuous golden blotch. Very beautiful. Height, 30 inches. Received Award of Merit, Royal Horticultural Society, 1923.

E. B. Garnier. Standards and falls uniform deep blue, the improved Emperor.

Filifolia Imperator. One of the most popular florist's varieties. The flowers are large, dark blue, brilliant orange blotch. Very showy, strong grower, highly recommended. Mulch well the first year. Height 27 inches.

Golden Glory. Standards golden yellow, falls darker. Height, 18 inches.

Hart Nibbrig. Standards brilliant deep blue, falls large, a lovely light azure with golden blotch. Very beautiful. Height, 27 inches.

J. W. De Wilde. Rich golden yellow; handsome. Height, 26 inches.

Leonardo Da Vinci. Lemon yellow standards, yellow falls with rich golden blotch. Beautiful, Height, 25 inches.

Poggenbeek. Brilliant dark blue.

Therese Schwartz. Flowers large, standards narrow, delicate china-white, falls creamy white, with golden yellow blotch. Height, 27 inches.

White Excelsum. Large beautiful flowers of pure white.

Yellow Queen. Uniform pure yellow. Excellent variety.

Any of the above varieties. Doz., 75c; 100, \$5.00; 1,000, \$45.00.

IRIS TINGITANA WEDGEWOOD

For indoor use and protected plantings only. A seedling of the old favorite Tingitana that is just as early, but a much more reliable bloomer. Can be brought into flower in January, as it is the earliest of Iris. A great cut flower. Light blue in color. 10 ctms. up. Doz., \$1.75; 100, \$12.00. 1000, \$110.00.



DUTCH IRIS

IRIS RETICULATA**Fragrant Iris—Hardy with Protection**

RETICULATA. This lovely species is one of the treasures of the garden or rock garden. It can best be described as a small form of the Spanish or Dutch Iris. Its main value lies in the fact that it may be forced into bloom in the house with the greatest ease. Six or eight bulbs put into a 4 or 5-inch pot when received will bloom about Christmas time. The fragrant blossoms remind one of a bunch of fresh violets. Perfectly hardy with reasonable protection. It is one of the loveliest early flowering bulbs for the rockery. To show it off well, plant a number of bulbs under the white Arabis Alpina; you'll enjoy the results more than we can tell you. Each, 20c; doz., \$2.00; 100, \$15.00.

ENGLISH IRIS**Hardy with Some Protection**

These magnificent bulbous Irises thrive in any ordinary garden soil but prefer a good loam. The earlier the planting, after beginning of September, the greater the success; the bulbs should be planted 4 inches deep. The varieties we have especially selected as being the very finest and most distinct in cultivation, and they will be found as strikingly beautiful in color as many of the sumptuous orchids. They flower from end of June to beginning of July, thus succeeding the Bearded Flag Irises, Early Xiphium and Spanish Irises. As cut flowers they take a first place.

King of the Blues. Dark blue.

Lamartine. White, carmine rosy flakes.

Lucinda. Porcelain blue, blue flakes.

Prince Albert. Delicate silvery blue.

Prince Irene. Very large snow white.

Procerpine. Deep ruby, dark flakes.

Queen of the Blues. Light blue.

The Giant. Rich deep blue.

Doz., \$1.50; 100, \$10.00; 1,000, \$95.00.

Mixed Colors: Doz., \$1.30; 100, \$8.50; 1,000, \$80.00.

For complete list of other Irises, including German, Japanese, Siberian and various Iris species, see pages 26 and 27.

Flower Seeds for Fall Sowing

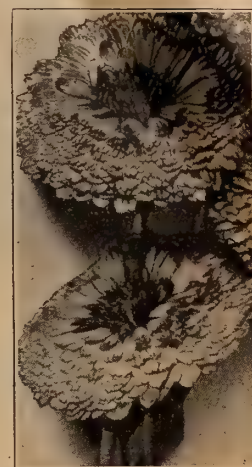
FEW know many of our prettiest and best known annuals may be sown in the fall, in fact some varieties, like the annual Larkspur, are much better, treated in this way. The principle is the one Nature uses. Seed dropped from parent plant will lay dormant in the soil until early in the spring when it germinates and begins a root system long before one can get in the ground to sow seed. Consequently the flowering season is prolonged by the earlier blooming. Ground should be prepared and seed sown just previous to the late heavy frosts. The fall-sown plants as a rule are much sturdier and better established on the blossoming date than those started indoors.

Another advantage of fall sowing is that it relieves pressure in the springtime. Care should be taken not to sow too early, as the seed will germinate and die in the fall. Early November is the best time, except for Pansies and Violas, which should be sown in September. Sweet peas should be heavily mulched with leaves or straw.

- 171 *Adonis Autumnalis* (Red Chamomile). 2 ft. Finely divided foliage, flowers rich scarlet. Pkt., 10c; ½ oz., 25c.
 230 *Agrostemma*. *Coeli Rosa* (Rose of Heaven). A good cutflower. Pkt., 10c.
 255 *Alyssum*. Vaughan's Little Gem. Snow-white carpet plant. ¼ oz., 25c; pkt., 10c.
 310 *Anchusa*. *Capensis* (Summer Forget-me-not). Flowers beautiful blue. ½ oz., 25c; pkt., 10c.
 425 *Antirrhinum*. Vaughan's Special Mixture. ½ oz., 25c; pkt., 15c.
 490 *Asperula Azurea Setosa* (Blue Woodruff). 1 ft. Terminal clusters of gray blue flowers. June. Pkt., 10c.

ANTIRRHINUM

- 1070 *Bartonia*. *Aurea*. Showy golden yellow flowers. Pkt., 10c.
 1170 *Cacalia*. Mixed. ¼ oz., 25c; Pkt., 10c.
 1190 *Calendula*. Orange King. Orange flowers. ¼ oz., 25c; Pkt., 10c.
 1245 *Calliopsis*. Vaughan's Special Mixture. ¼ oz., 30c; pkt., 10c.
 1260 *Candytuft*. Giant Hyacinth-Flowered White. ¼ oz., 25c; pkt., 10c.
 1535 *Centaurea Cyanus*. Vaughan's Special Mixture. ¼ oz., 25c; pkt., 10c.
 1790 *Clarkia*. Vaughan's Special Mixture. ½ oz., 25c; pkt., 10c.
 1800 *Cleome Pungens* (Spider Plant). 5 ft. Curious heads of flowers of bright rose. Pkt., 10c; ¼ oz., 30c.
 1870 *Collinsia*. Mixed. 18 in. Brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt. 10c.
 1930 *Cosmidium*. Orange Crown 2 ft. The flowers are golden yellow with a broad circle of a rich orange around the disc. Pkt. 10c.
 1950 *Cosmos*. Early Flowering Mammoth mixed. ¼ oz., 25c; pkt., 10c.
 2015 *Cynoglossum Amabile*. Chinese Forget-Me-Not. 18 to 24 in. A lovely plant producing large sprays of brilliant blue Forget-Me-Not like flowers. ½ oz., 25c; pkt., 10c.
 2305 *Dianthus*. Vaughan's Special Double and Single Mixture. ¼ oz., 30c; pkt., 10c.
 2415 *Escholtzia*. Vaughan's Special Mixture. ¼ oz., 25c; pkt., 10c.
 2361 *Erysimum Perofskianum* (Fairy Wallflower). 12 to 18 in. Bears bright orange fragrant flowers in profusion. Pkt., 10c.
 2435 *Euphorbia*. *Variegata* (Snow on the Mountain). Pkt., 10c; ¼ oz., 25c.
 2532 *Gilia Capitata* (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Pkt., 10c; ¼ oz., 25c.



CALENDULA

- 2680 *Gypsophila*. *Elegans Grandiflora Alba*. (Angel's Breath). ½ oz., 20c; pkt., 10c.
 2860 *Hunnemannia*. *Fumariaefolia*. (Bush Escholtzia). ¼ oz., 25c; pkt., 10c.
 2170 *Larkspur*. Vaughan's Special Mixture. ¼ oz., 30c; pkt., 10c.
 2310 *Lavender Lace Flower*. (*Didiscus Coeruleus*). ½ oz., 25c; pkt., 10c.
 3010 *Leptosyne Stillmani*. Golden yellow flowers. Pkt., 10c.
 3019 *Linum*. *Grandiflorum Coeruleum*. Pkt., 10c.
 3105 *Lupinus*. Tall annual mixed. Pkt., 10c.
 3212 *Matthiola Bicornis*. Evening Scented Stock. 1 oz., 30c; pkt., 10c.
 3380 *Nemophila*. Mixed. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c; oz., 40c.
 3389 *Nicandra*. Apple of Peru or Shoofly Plant. A strong spreading annual, 3-4 ft. high, grown for showy blue flowers and odd fruits. Pkt., 10c.
 3390 *Nicotiana Affinis* (Sweet-scented Tobacco plant). ½ oz., 25c; pkt., 10c.
 3420 *Nigella*. *Miss Jekyll*. (Love-in-the-Mist). A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, nestling in fine feathery foliage. Pkt., 10c; ½ oz., 25c.
 3875 *Pansy*. Vaughan's Giant mixture. Pkt., 15c.
 3792 *Pansy*. Maple Leaf Giant Mixture. A distinct variety we introduced three years ago. It is quite different to other types. The leaves are of giant size and the flowers are up to 4 in. across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt. (200 seeds), 50c; 1,000 seeds, \$2.00.
 3890 *Pansy*. Vaughan's Improved Swiss Giant Mixture. The flowers are gigantic size, perfectly round and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. ¼ oz., 90c; pkt., 50c.
 3930 *Perilla Nankinensis*. 1½ ft. Valuable foliage plant, resembling Coleus; dark mulberry-colored leaves. Pkt., 10c.
 4018 *Petunia*. *Rose of Heaven*. Brilliant rose with inconspicuous white throat. Pkt., 15c.
 4220 *Phlox Drummondii*. Vaughan's Special Mixture. ½ oz., 30c; pkt., 15c.
 4285 *Poppy*. *Shirley Mixed*. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and bluish to glowing crimson with a sprinkling of blues. Oz., 30c; pkt., 10c.
 4310 *Poppy*. Vaughan's Special Double and Single mixed. ½ oz., 25c. pkt., 10c.
 4430 *Portulaca*. Single Mixed. Pkt., 10c; ¼ oz., 20c; oz., 60c; ¼ lb., \$1.70; lb., \$6.00.
 4455 *Portulaca*. Double Best Mixture. Pkt., 10c; ½ oz., 50c; 1 oz., \$2.50.
 4690 *Sanvitalia Procumbens fl. pl.* Small double yellow flowers. Pkt., 10c.
 4691 *Saponaria Vaccaria Rose*. The light graceful sprays of glistening pink flowers are produced in greatest profusion. Pkt., 10c.
 4757 *Schizanthus*. Vaughan's Excelsior Hybrids. Pkt., 25c.
 4775 *Silene Armeria Mixed*. 1½ ft. A very showy early flowering hardy annual, bearing in quantity, heads of white, pink and red flowers. Pkt., 10c.
 5595 *Sweet Peas*. Vaughan's Special Mixture. Early flowering. Spencer varieties. Oz., 60c; pkt., 15c.
 5815 *Virginia Stocks*. Mixed. 6 in. These pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors producing a charming effect. Pkt., 10c; ¼ oz., 15c.
 5805 *Viscaria*. Mixed. Produces freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. Pkt., 10c; ¼ oz., 25c.
 5813 *Viola Cornuta*. Vaughan's Improved Scotch Pansies. Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., 25c.



CALLIOPSIS



ESCHOLTZIA



EUPHORBIA



LARKSPUR



LINUM



Perennials for Fall Planting

HARDY perennials may be set out this fall in time to become well established before winter sets in; and next year will see them better developed, and bearing finer flowers than can be obtained from plants set in your border next spring.

This advantage is accompanied with very little extra risk. We do not list the kinds which need special protection through the winter. It is always well to apply a mulch over newly planted perennials, after the ground has frozen. This will tend to prevent winter

thaws and frost heaving. Plants should not be placed where water stands, as excessive dampness in the winter causes rot.

All plants are F. O. B., Chicago.

Plants are shipped with their roots well wrapped; and as packages must go by parcel post or express, it is impossible to make prices which cover postage, and are fair alike to all customers. So all prices in our plant list are F. O. B. Chicago, and if it is desired to have them sent by mail, postage should be added at zone rates. If sent by express, they go collect, at customer's expense.

ACHILLEA (Milfoil, Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for cutting.

—**Crimson Beauty**. 2 ft. A great improvement over Millefolium Kelwayi. Dark rose, free flowering 3 for 85c; doz., \$2.50; 100, \$15.00.

—**The Pearl**. June-Aug. White. 2 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

×**Saxatile Compactum**. (Gold Dust.) May-June. Golden yellow. 1 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

ANCHUSA

—**Tinctoria Perry's Variety**. 2 ft. A recent introduction. Large lemon-yellow daisies, in bloom all summer. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

×**Myosotidiflora**. 1 ft. A Russian species, bears in April a profusion of pretty pale blue Forget-Me-Not flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.



AQUILEGIA—Long-Spurred Hybrids

AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-ft. stems. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation, best if sheltered but exposed to full sun.

×**Mrs. Scott Elliott's Strain of Long-Spurred Hybrids**. The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc., and are the result of very many years careful hybridization. 3 for 85c; doz., \$2.50; 100, \$15.00.

Relative Prices Are as follows:

		3 supplied for		Each	
Plants	priced at	{	per dozen..	{	
	\$2.00			\$0.65	\$0.25
	2.50			.85	.35
	3.50			1.00	.45
	5.00			1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred. 6 at the dozen rate.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 22 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants.

Vaughan's "Surprise" Perennial Collection

A truly fascinating collection of carefully selected hardy plants all labeled. We include such well known favorites as Delphinium, Phlox, Aquilegia, Pyrethrum, and choice specimens of any good varieties in which we have surplus stocks. At least 15 different varieties in each "Surprise" collection, our selection of varieties. No. 1 A. Vaughan's "Surprise" Perennial Collection. 25 hardy plants, our selection of varieties for \$3.25.

Rock Garden Collections

These collections include desirable varieties each properly labeled. By leaving the selection of varieties to us, we can often send plants from our large stocks of the better varieties.

No. 101. Rock Garden Collection. 1 each of 10 varieties for \$2.00.

No. 102. Rock Garden Collection. 2 each of 12 varieties for \$3.50.

Plants for Rock Gardens

The sign X is placed before varieties especially suited for use in rock gardens.

ANTHEMIS (Marguerite)

—**Italica, Dropmore Variety**. 5 ft. June-July. Beautiful gentian-blue flowers. Thrives best in partial shade. 3 for 65c; doz., \$2.00; 100, \$12.00.

ARABIS (Rock Cress)

×**Alpina**. 6 in. The pure white bowers make a pleasing contrast with Alyssum saxatile compactum. 3 for 65c; doz., \$2.00; 100, \$12.00.

ARMERIA (Thrift, Sea Pink)

For front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting. ×**Lauchena**. May-Aug. Rose. 6 in. 3 for 65c; doz., \$2.00; 100, \$12.00.

ARTEMISIA

—**Lactiflora**. 4 to 4½ ft. Sept.-Oct. Spikes of pure white flowers on stout stems. Graceful for table decoration. 3 for 85c; doz., \$2.50; 100, \$15.00.

ASCLEPIAS (Butterfly Weed)

—**Tuberosa**. 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers with purplish stems and hairy leaves. 3 for 85c; doz., \$2.50; 100, \$15.00.



ARABIS (Rock Cress)



DIANTHUS Plumarius

ASTER (Michaelmas Daisy)

Used for lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months.

- Abendrothe**. 3 to 5 ft. Beautiful deep rose. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Climax**. 5 ft. One of the best and showiest, with large, pyramidal spikes of large, light lavender-blue flowers, gold centers, very free blooming. Sept.-Oct. 3 for 65c; doz., \$2.00; 100, \$12.00.
- White Lady**, 5 ft. Pure white. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Mrs. Raynor**. 3½ ft. A very showy variety almost crimson in color and literally covered with large semi-double blooms. 3 for 85c; doz., \$2.50; 100, \$15.00.

ASTER (Rock Aster)

The dwarf hardy Aster so much in demand for Rock Gardens.

- × **Subcoeruleus**. 15 inches. Massive bluish violet flowers. Blooms May and June. 3 for 65c; doz., \$2.00; 100, \$12.00.

CAMPANULA (Bell-flower)

A large, beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being not difficult to cultivate.

- × **Carpatica**. (Harebell.) June-Aug. Blue. 1 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.
- × **Carpatica Alba**. (Harebell.) June-Aug. White. 1 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Glomerata Superba**. 20 in. Dark violet flowers. June-Sept. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Persicifolia Coerulea** (Peacheaf Bell-flower.) 2-3 ft. Blue. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Persicifolia Alba**. 2-3 ft. White. June. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Persicifolia Telham Beauty**. 4 ft. Long stems large globular open flowers, china-blue with silvery shading. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Pyramidalis** (Chimney Bellflower.) 5-6 ft. Blue. Aug.-Sept. 3 for 85c; doz., \$2.50; 100, \$15.00.
- × **Rotundifolia** (Blue Bells of Scotland.) 6-12 in. June-August. Very dainty. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Trachelium** (Coventry Bells). 2-3 ft. June. Lavender blue. 3 for 65c; doz., \$2.50; 100, \$12.00.

COREOPSIS (Tickseed)

One of the most popular hardy plants. The flowers are a rich golden yellow of a beautiful graceful form.

- Lanceolata grandiflora**. June-Oct. Yellow. 2 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

DAISY (Shasta)

- Alaska**. 2 ft. Wonderful show of large white flowers. Fine for cutting. Blooms all summer. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Alaska "Supreme"**. 2 ft. White. A large flowered, stout stemmed variety, superior to the ordinary variety. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Hartje and Elder**. 2 ft. The first Shasta Daisy to bloom. 3 for 65c; doz., \$2.00; 100, \$12.00.

DELPHINIUM (Perennial Larkspur)

There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color.

- Chinese Blue**. 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Belladonna**. Sky-blue. June-Aug. 3 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Blackmore and Langdon Strain**. All the clear shades of blue with many delightful opaline variations, all with bees of contrasting colors. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- Indigo (True Blue)**. 3 ft. Dark indigo blue, splendid for cutting. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Vaughan's Gold Medal Hybrids**. A wonderful strain grown especially for us. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Wrexham Hollyhock-flowered Strain**. New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. 3 for \$1.50; doz., \$5.00; 100, \$35.00.

DIANTHUS BARBATUS

(Sweet William)

Sweet Williams look well in solid beds of masses and require a good, rich, well manured soil to grow them to perfection. Plants grow 18 to 24 in. high.

- Vaughan's Special Mixture, Sweet William**. A mixture of all the beautiful varieties here listed and others. Varied and unique coloring and markings. 3 for 65c; doz., \$2.00; 100, \$12.00.

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early blooming and free flowering hardy garden pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden.

- Plumarius, Vaughan's Special Mixture**. May-Oct. 15 in. 3 for 65c; doz., \$2.00; 100, \$12.00.

DICENTRA (Dielytra)

(Bleeding Heart or Seal Flower)

- Spectabilis**. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. 3 for \$1.00; doz., \$3.50; 100, \$25.00.

ECHINACEA (Coneflower)

- Purpurea**. (Purple Coneflower.) 3-4 ft. A very handsome border plant bearing large heads of rosy purple flowers and dark central disc. 3 for 85c; doz., \$2.50; 100, \$15.00.

ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

- Speciosus Hyb. Grandiflorus**. June-July. 2 ft. Rich purple. 3 for 85c; doz., \$2.50; 100, \$15.00.

EUPATORIUM (Thorough Wort)

- Coelestium** (Mist Flower or Hardy Ageratum). 2 ft. Sept.-Oct. Light blue. An excellent cut flower. 3 for 85c; doz., \$2.50; 100, \$15.00.

EUPHORBIA

- Polychroma**. 18 in. May. Bright yellow flowers changing to rosy-bronze. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

FILIPENDULA HEXAPETALA

(Spiraea Filipendula)

- Dropwort**. 1-2 ft. June-July. Creamy white. Good for front row in hardy border. Graceful plants, both in flower and foliage. 3 for 85c; doz., \$2.50; 100, \$15.00.

FUNKIA or DAY LILY

- Cordata Aurea Variegata**. Blue-green leaves, showing variegated when young. Lilac-blue flowers. August. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Coerulea** (Lanceolata). Long, narrow leaves, dull green; lilac-blue flowers during July and August. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Subcordata Grandiflora**. Flowers white, large green leaves. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

GAILLARDIA (Blanket Flower)

Gaillardias are fine for bedding and borders, invaluable as a cut flower. Blooms all summer.

- Grandiflora Mixed**. June-Oct. Mixed. 1½ ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

GYPSOPHILA

Fine for cutting and drying for winter bouquets.

- Paniculata** (Baby's Breath). July-Aug. White. 2-3 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Bristol Fairy, New**. The best double pure white large flowering perennial baby's breath. It is a new form, producing a second crop of spikes after the first have been cut. 3 for \$1.25; doz., \$4.00.
- × **Repens**. Dwarf white Baby's Breath. Splendid in rockery. 3 for 65c; doz., \$2.00; 100, \$12.00.



DELPHINIUM Wrexham

HELENIUM (Sneezewort)

- Hoopesii**. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Riverton Gem**. 2 to 4 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower-red. 3 for 85c; doz., \$2.50; 100, \$15.00.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms. Good for borders, shrubberies, wild garden or naturalizing in grass.

- Aureole**. 2 ft. May-June. Deep orange-yellow with bronze reverse.
- Dr. Regal**. 1½ ft. May-June. Rich orange-yellow.
- Flava**. 3 ft. June. Clear yellow, very fragrant.
- Fulva Kwanon Fl. Pl.** 3 ft. July-August. orange shaded crimson, double.
- Sovereign**. 2 ft. May-June. Soft chrome-yellow shaded brown on the outside, fragrant.
- All above, 3 for 65c; doz., \$2.00; 100, \$12.00.
- Hemerocallis Collection No. 23**. One each of the above 5 varieties for \$1.00.

HIBISCUS (Rose Mallow) 3 to 5 Feet

Noble, shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Aug.-Sept.

- Mallow Marvels, Red, Pink or White**. 3 for 65c; doz., \$2.00; 100, \$12.00.

HEUCHERA (Coral Bells)

- New Hybrids**. Much prized for dainty blossoms and long blooming habit. Mixture of coral pink, red and other pink tones. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 in. Covered with white blossoms in spring and early summer.

- × **Sempervirens**. 3 for 65c; doz., \$2.00; 100, \$15.00.

LATHYRUS LATIFOLIUS (Hardy Pea)

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc. Blooms all summer.

- Pink Beauty**. Pale pink variety.
- Rubra**. Bright rosy crimson.
- White Pearl**. White.
- 3 for 65c; doz., \$2.50; 100, \$15.00.

LINUM (Flax)

- Perenne Blue**. May-Aug. 2 ft. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in profusion. 3 for 65c; doz., \$2.00; 100, \$12.00.

LYSIMACHIA

- Vulgaris** (Golden Loosestrife). 2-3 ft. August. Sprays of golden flowers, makes a good border or background plant. 3 for 85c; doz., \$2.50; 100, \$15.00.



POPPY Oriental

LYTHRUM

—**Rose Queen.** 2-3 ft. July-Sept. A remarkably free-blooming variety with long graceful spikes of rosy pink flowers. 3 for 65c; doz., \$2.00; 100, \$12.00.

MERTENSIA (Blue Bells)

A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.

×**Virginica.** May-June. Light blue. 18 in. 3 for 65c; doz., \$2.00; 100, \$10.00.

MONARDA (Bergamot or Bee Balm)

—**Fistulosa.** Large whorls of rosy purple flowers surrounded by colored bracts and fragrant foliage. July. 3 ft. 3 for 85c; doz., \$2.00; 100, \$15.00.

PAPAVER (Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders. 3 ft. May-June.

—**Olympia.** Double orange scarlet. Very free blooming, flowers come ten days earlier than Royal Scarlet. 3 for \$1.50; doz., \$5.00; 100, \$35.00.

—**Mrs. Perry.** Delicate salmon-rose with black blotches. 3 for \$1.00; doz., \$3.50; 100, \$25.00.

—**Royal Scarlet.** 3 for 85c; doz., \$2.50; 100, \$15.00.

Hardy Phlox

Phlox Decussata

From the early part of July to the middle of September phloxes dominate in the perennial border. They grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom may be expected.

The purple, lavender and orange colored ones should be planted in semi-shade, as the sun often bleaches out the colors in a short time.

Baron Von Dedem. Brilliant orange scarlet with carmine eye. 3 for 85c; doz., \$2.50; 100, \$15.00.

Beacon. Bright cherry red, strong grower. 3 for 65c; doz., \$2.00; 100, \$12.00.

Bridesmaid. Pure white with large crimson-carmine eye. 3 for 85c; doz., \$2.50; 100, \$15.00.

Champs Elysses (Dwarf). Deep rosy-magenta. A strong vivid color. 3 for 85c; doz., \$2.50; 100, \$15.00.

Goliath. Bright carmine flowers, shaded light purple. 3 for 85c; doz., \$2.50; 100, \$15.00.

B. Comte. Wine purple of satiny sheen. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

Hindenberg. Conceded deepest red of all phlox. Large trusses. 3 for \$1.25; doz., \$4.00; 100, \$30.00.

La Vague. Pure mauve with aniline red eye. 3 for 65c; doz., \$2.00; 100, \$12.00.

La Mahdi. The best deep purple, large flower heads. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

Lord Raleigh (Dwarf). Deep mauve, blooms late. 3 for \$1.00; doz., \$3.50; 100, \$20.00.

Mrs. Jenkins. Early free flowering white with large panicles of bloom. 3 for 85c; doz., \$2.50; 100, \$15.00.

PENTSTEMON (Beard Tongue)

Very showy, growing from 2 to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers with hairy throats.

—**Barbatus Torreyi (Chelone Barbata).** 3½ ft. July-August. Coral red. 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Pubescens.** Rosy purple. 2 ft. 3 for 85c; doz., \$2.50; 100, \$15.00.

PHYSALIS FRANCHETTI

Chinese Lantern Plant. 1½ ft. Flowers yellow with dark center. Produces balloon-like husks the second year from seed, which resemble red Chinese lanterns. 3 for 65c; doz., \$2.00; 100, \$12.00.

PHYSOSTEGIA (False Dragon Head)

—**Grandiflora "Vivid."** One of the best of the late-blooming perennials. Vivid pink. 20 inches. Aug.-Sept. 3 for 85c; doz., \$2.50; 100, \$15.00.

PLATYCODON (Chinese Bell Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons; they flower from June to Sept.

—**Grandiflorum.** 1-2 ft. Large, handsome, deep blue flowers. 3 for 65c; doz., \$2.00; 100, \$12.00.

—**Album.** White. 3 for 65c; doz., \$2.00; 100, \$12.00.

PYRETHRUM (Painted Daisy)

These are of great value for cut flower purposes, lasting in water longer than any flower we know, are perfectly hardy, delighting in a cool moist soil.

—**Roseum, Single Mixed.** June. 1½-2 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

—**Atro-Sanguineum.** Blood-red. 3 for 85c; doz., \$2.50; 100, \$15.00.

—**Uliginosum.** 4 ft. A hardy white daisy flowering in September. 3 for 65c; doz., \$2.00; 100, \$12.00.

RANUNCULUS (Buttercup)

Well-known double yellow buttercup, effective either as a cut flower or grouped in the hardy borders.

—**Acris Fl. Pl. (Double Buttercup).** May-June. Yellow. 3 for 85c; doz., \$2.50; 100, \$15.00.

×**Repens Fl. Pl.** Double creeping Buttercup. May-June. 6 in. 3 for 85c; doz., \$2.50; 100, \$15.00.

SALVIA (Sage)

—**Azurea Grandiflora (Meadow Sage).** Sept.-Oct. Deep blue. 4 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

SAXIFRAGA (Megasea)

×**Cordifolia.** 1 ft. April-May. Graceful clustered leaves, hyacinth-like pink flowers. 3 for 85c; doz., \$2.50; 100, \$15.00. 2-year, 3 for \$1.00; 3-year, 3 for \$1.25.

SEMPERVIVUM (Hen and Chickens)

×**Globiferum.** Flattened rosettes 2 to 3 inches diameter, grey-green leaves tipped brown. Pale yellow flowers in June. 3 for 65c; doz., \$2.00; 100, \$12.00.

Miss Lingard (Suffruticosa). Pure white; the earliest of all. Blooms good for cut flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.

Miss Von Lassberg. The purest snow-white. Large open truss, 3 for 85c; doz., \$3.50; 100, \$15.00.



HARDY PHLOX Mrs. Jenkins

SEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country.

×**Acra. (Golden Moss.)** 3 in. May-June. Bright yellow.

×**Album.** 3 in. Thick waxy foliage, white flowers, July.

×**Kamtschaticum.** 6 in. Prostrate green foliage turning yellow in fall. Orange-yellow flowers July.

×**Sexangulare (Hexagon Stone Crop).** Dark green foliage, yellow flowers. May-June.

×**Spectabile, Brilliant.** June-July. Deep rose. 18 in.

×**Spurium.** Pink flowers. 4 in.

Price all Sedums, 3 for 65c; doz., \$2.00; 100, \$12.00.

STATICE (Sea Lavender)

—**Latifolia.** 2 ft. Dense branching heads of tiny blue flowers. Fine for dried bouquets. 3 for 65c; doz., \$2.00; 100, \$12.00.

STOKESIA (Stokes Aster)

Very handsome perennials with flowers like a cross between a china aster and a giant cornflower.

—**Cyanea.** 18 in. July-Oct. Flowers rich blue. 3 for 85c; doz., \$2.50; 100, \$15.00.

THALICTRUM (Meadow Rue)

The foliage is very finely divided like that of the Maiden-hair fern or Columbine and is useful in making bouquets. The flowers are borne in feathery clusters.

—**Flavum.** Common yellow variety. 2-4 ft. June. 3 for 65c; doz., \$2.00; 100, \$12.00.

—**Glaucum.** Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. 3 for 65c; doz., \$2.00; 100, \$12.00.

TRILLIUM (Wake Robin)

—**Grandiflorum.** 12 in. One of the most beautiful of our native spring-flowering perennials. White flowers with three petal-like segments. Splendid for naturalizing in moist shaded places. 3 for 65c; doz., \$1.50; 100, \$8.00.

TUNICA

×**Saxifraga.** A pretty tufted plant with light pink flowers, produced all summer. Height, 6 in. A fine rock plant. 3 for 65c; doz., \$2.00; 100, \$12.00.

VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

×**Armena.** 3 in. Blue. All summer. Dainty trailing stems resembling Sedum. In bloom all season. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

×**Incana.** 12 ins. Silvery foliage. Spikes blue flowers in June. 3 for 85c; doz., \$2.50; 100, \$15.00.

×**Repens.** Dwarf. Ground covering, blue. 3 for 65c; doz., \$2.00; 100, \$12.00.

—**Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. 3 for 65c; doz., \$2.00; 100, \$12.00.

Rheinlander. A rare shade of salmon pink intensified by a claret red eye. 3 for 85c; doz., \$2.50; 100, \$15.00.

Thor. A splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 65c; doz., \$2.00; 100, \$12.00.

Riverton Jewel. A lovely mauve-rose illuminated by a brilliant carmine red eye. 3 for 85c; doz., \$2.50; 100, \$15.00.

R. P. Struthers. Rosy carmine with claret eye. 3 for 85c; doz., \$2.50; 100, \$15.00.

Special French. Lovely blush pink, salmon eye. Strong grower, heavy hydrangea-like blooms. 3 for \$1.50; doz., \$5.00; 100, \$35.00.

Von Hochberg. Large size blood red blooms. 3 for \$1.50; doz., \$5.00; 100, \$35.00.

Mixed. 1-year field-grown plants of a choice mixture of colors. Un-named varieties. Our selection. 3 for 65c; doz., \$2.00; 100, \$12.00.

Special Offer No. 24. One each of 10 varieties, our selection from above. All labeled for \$2.25.

Special Offer No. 24A. One each of 6 varieties our selection. Distinctly labeled for \$1.50.

Dwarf and Alpine Phlox

×**Divaricata Canadensis.** Worthy of extensive planting, commencing to bloom early in April, with large, fragrant, lavender flowers on stems 10 inches high. 3 for 65c; doz., \$2.00; 100, \$12.00.

×**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May; height 4 in. 3 for 65c; doz., \$2.00; 100, \$12.00.

×**Subulata Atro-Purpurea.** 4 in. A new variety. Dwarf compact foliage, dark purple-red flowers in May. 3 for 85c; doz., \$4.00; 100, \$25.00.

×**Subulata Lilacena.** Moss-like foliage of prostrate growth completely covered with pale lilac blooms in May. 3 for 65c; doz., \$2.00; 100, \$12.00.

×**Subulata Rosea.** Same as above, but dainty pink flowers. 3 for 65c; doz., \$2.00; 100, \$12.00.

Vaughan's Peonies



Mons. Jules Elie



Reine Hortense (Pres. Taft)

PEAONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end.

Planting. Peonies may be planted from September first until May. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming, 2 or 3 inches of soil over the crown (eyes) being sufficient. We offer Divided roots, (D) natural divisions, having 3 to 5 eyes of blooming size.

The figures preceding the varieties are the rating given to them by the American Peony Society, based on a scale giving 10 points for perfection.

Peonies in the Little Garden. By Mrs. Edward Harding. This is a delightfully written book which epitomizes the experience of years, and provides entertainment, instruction and inspiration for the peony admirer. Postpaid, \$1.80.

Roots by Parcel Post.—If to be sent by parcel post, add postage as follows: Single roots, 8c; two roots, 12c; 3 roots, 16c.

Un-named Peonies

Double White—Double Red—Double Pink—
Each, 25c; 3 for 65c; 5 for \$1.00.

White and Light Varieties

- Light and Dark Pink and Rose**
- 8.7 **Claire Dubois.** Very large, double, globular flowers; color rich clear satiny pink, with glossy reflex. Late midseason. 50c.
 - 7.6 **Eduis Superba.** Usually blooms on Decoration Day. Bright clear mauve-pink, with silvery reflex. Large and fragrant. 35c.
 - 8.9 **Georgiana Shaylor.** Large, flat, pale rose-pink with a few flecks of crimson. Strong grower and midseason bloomer. 75c.
 - 9.1 **Lady Alexandra Duff.** Enormous, loosely built flowers of pale bluish pink with yellow stamens. Very showy and beautiful. Midseason. 60c.
 - 9.0 **La France.** Soft appleblossom-pink. Very large, fragrant flowers of unusual crepe-like texture. Late midseason. 75c.
 - Lillian Gumm.** Deep pink reflecting mauve. Resembles La France, but has better stalk. Very large, profuse bloomer. Midseason. \$1.25.
 - 8.8 **Loveliness.** A beautiful variety with large, flat flowers of hydrangea-pink, changing to lilac-white. Fragrant. Late. 75c.
 - 8.5 **Mad. Emile Galle.** Large, flat flowers of delicate shell-pink with touches of heliotrope and lavender. Exquisite fragrance; late. 50c.
 - 9.1 **Martha Bullock.** Immense flowers of bright old-rose-pink that are often 9 to 12 inches in diameter. Very tall, fragrant; late. \$1.50.
 - 9.0 **Mary Woodbury Shaylor.** Midseason. Large cup-shaped flowers of clear pink with a creamy colored collar and golden heart. Dwarf. \$1.25.
 - 9.0 **Milton Hill.** Clear pink overlaid with sheen of delicate lilac. Very large bloom; excellent for cutting; late. \$1.00.
 - Minamota.** An unusual flower, semi-double, of a vivid rose-pink with a mass of yellow stamens interspersed through the center. \$1.00.
 - 9.2 **Mons. Jules Elie.** By many considered most beautiful of peonies. The flowers are immense, globular, glistening lilac-pink, shading to deeper rose at the base, all overlaid with a sheen of silver. Early. 50c.
 - 8.5 **Octavie Demay.** Very large, flat crown, guards and center delicate hydrangea-pink, collar almost white. Very fragrant, very dwarf; Early. 50c.
 - 8.2 **Pierre Duchartre.** Large, compact flowers of a delicate flesh pink; very fragrant. Late. 75c.
 - 8.7 **President Taft.** See Reine Hortense.
 - 8.7 **Reine Hortense (President Taft).** One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more. Its flowers are among the largest of any variety that we grow and the color is a beautiful uniform light pink, center flecked crimson. Midseason. This variety took the first prize for twenty blooms of one variety, light pink, at the 1934 National Peony Show at St. Paul. 50c.
 - 8.8 **Rosette.** A fine, early variety. Color silvery flesh, illuminated with salmon tints at base of petals and flecked crimson on border. \$1.00.
 - 9.0 **Sarah Bernhardt.** Large, rounded flowers of dark rose-pink, edged lighter pink; center flecked crimson. Fine garden and show room variety. A very popular late Peony. 75c.
 - 9.1 **Souvenir de Louis Bigot.** Large, convex blooms with fringed petals. Color a brilliant rose, turning to salmon-pink. Midseason. \$1.00.
 - 9.8 **Therese.** A wonderful Peony of perfect habits and with immense, flat blooms of delicate texture. Color violet rose, changing to lilac-white. Early midseason. \$1.00.
 - 9.3 **Walter Faxon.** Ranked by Mrs. Harding with Solange and LeCygne as the three finest peonies. "Here is the most delectable hue of pink displayed by any of the peonies outside of the tree peonies," she writes. It is a free-blooming variety and grows strongly. Midseason. \$1.00.

- 8.8 **Alsace Lorraine.** Very large, flat bloom. Petals pointed and arranged like a water lily. Creamy white center delicately tinted brownish yellow. Late midseason. 75c.
- 8.7 **Avalanche.** A magnificent flower which opens like a rose. Pure white with a few pencilings of carmine. Fragrant; late midseason. 50c.
- 9.0 **Baroness Schroeder.** White with shadings of flesh. Immense flowers with high chalice-shaped center. June rose fragrance; late. 75c.
- 9.2 **E. B. Browning.** Immense flowers of a delicate pink tint, outer petals and center marked crimson. Fragrant; very late. \$1.00.
- 8.9 **Enchantresse.** Large, globular flower on tall, stiff stems. Creamy white with crimson tracings. Late. Fragrant. 75c.
- 9.3 **Festiva Maxima.** One of the old varieties which Mrs. Edward Harding says, "should be in every garden, large or small, lavishly arrayed or economically furnished." Flowers of white, dotted with carmine, are often 7 to 8 inches in diameter. Early. 35c.
- 9.1 **Francis Willard.** A perfectly-formed flower that is found among the winning classes in every show-room. A very large, semi-rose type of bloom, often having a raised, cup-shaped center inclosing golden stamens. Opens an exquisite bluish-white, with an occasional carmine touch, changing to pure white. Of good substance and a fine cut-flower variety. Late midseason. D, 75c.
- 8.9 **Jubilee.** Extremely large, flat flowers of ivory-white; petals long and narrow, loosely arranged, giving a feathery effect. Early. 75c.
- 8.3 **La Rosiere.** A dainty peony with rose-like flowers. It should not be disbudded, as sprays of its flowers are charming. It is semi-double, the outer petals pure white at center with a yellowish white border. Midseason. 50c.
- 9.9 **LeCygne.** (The Swan.) "One of the three finest peonies," says Mrs. Harding. The curving petals of this magnificent flower are arranged like the feathers on a swan's wing. "Symmetrical, globular, of great size, fragrant, free-blooming, and milk-white," continues Mrs. Harding, "LeCygne stands by itself." It is unquestionably the finest white, and has the highest rating. Early midseason. \$2.50.
- 9.4 **Mme. Jules Dessert.** A strong-growing, free-blooming plant, of delicate coloring. When the flower is cut just as the bud unfolds, and is allowed to open in a shaded room, wonderful tints of flesh, straw and white can be seen to perfection. Midseason. D, \$1.00.
- 8.5 **Marie Lemoine.** Large, compact blooms of delicate ivory-white. Dwarf, strong grower and fragrant. Very late. 50c.
- 8.3 **Mons. Dupont.** Large, cup-shaped flower; ivory-white. The golden stamens show at the base of the petals; fragrant; midseason. 50c.
- 8.8 **Nymphaea.** Large, flat flower of delicate creamy white. Notched at tip and edges somewhat rolled. Yellow stamens; reflex a golden light through the whole flower. Midseason. 75c.
- 8.6 **Primevere.** "Finest of the yellow herbaceous peonies and one of the most fragrant," says Mrs. Harding. "Striking and ornamental in the garden, it is still more satisfying as a cut flower. Then its color is safely guarded, and its perfume fully enjoyed. Midseason. \$1.25.
- 9.1 **Rose Shaylor.** Large blooms, cream-colored, lighted with golden stamens, and often tinged with pink, are held well above the foliage by tall, stiff, thick stems. Midseason. \$4.00.

- 9.7 **Solange.** Ranked by Mrs. Harding with LeCygne and Walter Faxon as the three best peonies. She writes: "Until the lover of peonies knows Solange, his life is wasted, bare, uninteresting, impoverished, and lonely beyond all words to tell. Its flower is high built, compact, and composed of large, thick petals which closely overlap. The color is deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart." Late. \$1.00.
- 9.4 **Tourangelle.** Pearl-white, overlaid with delicate shades of salmon; flowers flat, borne on long stems. Must be well established to get best results. "Exquisite in its color tints if shaded from the sun when opening. Late. \$1.00.

Red and Crimson Sorts

- 8.5 **Adolphe Rousseau.** Very large, semi-double flowers of purple-garnet. Tall, vigorous, with dark foliage, veined red. Early. 75c.
- 8.7 **Auguste Dessert.** Cup-shaped flowers of fine form, with rounded petals, velvety crimson-carmine, very brilliant, with silvery reflex and often streaked white. Midseason. \$1.50.
- 8.6 **Cherry Hill.** Deep garnet with conspicuous sheen. Stems strong and erect. Does not burn. Early. 75c.
- 7.8 **E. G. Hill.** Very large, double flowers of rich tyrianred with a fiery brilliancy. Of erect, rather dwarf, compact growth, with extra stiff stems. Early midseason. 75c.
- 8.4 **Felix Crousse.** Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Late midseason. 35c.
- 8.2 **Grover Cleveland.** Rose type; late. Rich, dark crimson; a strong grower. 50c.
- Inspecteur Lavergne.** Vivid crimson, filled petals in the center; very full, globular flower. Abundant bloom. \$4.00.
- 8.8 **Karl Rosefield.** Large, rich velvety-crimson flowers of ball-like form when fully open. Sturdy and free blooming, it is about the best all-round red Peony. Early midseason. 50c.
- 9.0 **Longfellow.** Perhaps the most brilliant of all the red peonies. Golden stamens show around the center petals. Late midseason. \$1.00.
- 8.7 **Mary Brand.** Vivid crimson of immense size; full double; a free-bloomer, and a strong grower; midseason. Excellent for cut flowers. 60c.
- 8.2 **Mad. Gaudichau.** Large, rather loosely built flowers of brilliant dark red; late midseason. Fine garden variety. Foliage vivid red in spring; stems red all summer. \$1.00.
- Mr. L. Van Leeuwen.** Beautiful flower of faultless shape; large and double, petals somewhat irregular. A clear rosy red. Strong, tall stems; late midseason. \$2.50.
- 8.8 **Mons. Martin Cahuzac.** Medium sized, globular blooms. Dark purple-garnet with black reflex. The darkest peony known. Strong, vigorous grower; free-bloomer; midseason. \$1.00.
- 8.6 **Officialis Rubra Plena.** This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut flower. 75c.
- 9.2 **Philippe Rivoire.** Very dark crimson with velvety sheen. Perfectly formed, cup-shaped flowers with incurved center; delightfully fragrant; late. It is distinctly different and is the most beautiful and highest rated of all red Peonies. \$1.75.
- 8.8 **Richard Carvel.** Large globular flowers, all one shade of bright crimson. Tall, very stout stems, annual and profuse bloomer. Delicate fragrance. Early, usually in bloom for Decoration Day. 75c.
- Tenuifolia Flora Plena (Double Fern-leaf Peony).** Very early, the first Peony to bloom. Flowers are a full double brilliant crimson. \$2.00.

All Prices F. O. B. Our Nurseries, Western Springs, Ill. If wanted by Parcel Post, add postage.

PEONIES—Continued.

Collection 26-A

Six of the world's finest varieties

- 9.9 *LeCygne*, white 9.8 *Therese*, pink
9.0 *Longfellow*, red 9.4 *Tourangelle*, white
9.7 *Solange*, cream 9.3 *Walter Faxon*, pink

One each of the above (value \$7.50) for \$6.00

Collection 26B—Surprise Collection

Six beautiful varieties (value \$2.15) for \$1.50

Six different Peonies—2 red, 2 white and 2 pink, our selection, labeled, for only \$1.50.

(Felix Crousse and Reine Hortense will be two of the varieties included in this collection.)

Japanese Flowered Peonies

These are entirely without pollen. The inner petals are a mass of filaments surrounded by a guard of petals.

- 9.2 *Ama-No-Sode*. Mrs. Harding says this is the handsomest pink Japanese peony. The flowers are large, of bright rose, shading lighter toward the edge of the petals. \$2.00.

- 9.2 *Fuyajo*. Outer petals dark, rich, mahogany-red with velvety shading. Petaloids dark red striped and tipped buff. \$1.50.

- 8.2 *Flashlight*. Light Tyrian Rose guards with dull golden center. Strong, erect grower of medium height. Early. \$1.75.

- 8.2 *Gold Mine*. Single row of deep rose guard petals; deep golden center. 75c.

- 9.3 *Isani Gidui*. Large, perfectly shaped flowers of pure white with rich buff-yellow center. Mid-season. Considered the most beautiful white Japanese Peony. \$3.50.

- 8.6 *Mikado*. Guards velvety crimson, forming a cup enclosing a filigree cushion of crimson petaloids, edged and tipped gold. \$1.00.

- 8.3 *Snow Wheel*. Broad outer petals resembling the waxy white petals of the Camellia. Center petals long, pointed, giving a feathery effect. \$3.00

- 8.0 *Torpilleur*. Guard petals lively purplish-carmine; central filamentous petals of same tint but streaked and tipped with yellow. \$1.00.

Single Peonies

- 7.6 *Clio*. Large, cup-shaped single pink. Center a mass of long, golden pollen-bearing stamens, with pond lily fragrance. 75c.

- Fusuyama*. Soft colored, flesh pink. 75c.

- 8.4 *La Fiancee*. Pure white; very large, tall. 75c.

- 8.1 *L'Etincelante*. Very broad petals of bright carmine with silvery border; crown of golden stamens at the center. \$1.25.

- Nymphé*. Large flowers of bright flesh pink, golden stamens. 75c.

- Perle Rose*. Delicate clear china-pink with silvery edge. 75c.

- 7.3 *Veloutine*. Large single cup-shaped flower, like a tulip. Color velvety purple-red. 50c.

- 7.6 *Vesuve*. Dark red. Early. 75c.

Tree Peonies

Rare shrub-like plants. They are hardy, free-blooming, have rich coloring and thrive in an average soil in part or full sun. Plant deeply, above the crotch and mulch the first winter.

Reine Elizabeth. One of the best of the double-flowered varieties. Very large, bright salmon-pink; free flowering. 3-year. \$4.00.

Good Peonies at Bargain Prices

Any of the following, 35c each, 3 for \$1.00. Add for postage for 1 plant, 8c; for 3 plants, 16c.

- 7.1 *Alexander Dumas*. Light pink; early midseason.

- 8.1 *Couronne d'Or*. Large late white, golden stamens.

- 7.7 *Dorchester*. Delicate salmon pink; dwarf; late.

- 7.9 *Duc de Wellington*. White tinted yellow; early.

- 8.1 *Duchess de Nemours*. Early pure white; fragrant.

- 7.9 *Jeanne d'Arc*. Varied pink shades; midseason.

- 7.5 *La Tulipe*. Large light pink; late midseason.

- 6.7 *Louis van Houtte*. Carmine-rose; late mid-season.

- 7.9 *Mad. de Verneville*. Early blush white; fragrant.

- 7.9 *Mad. Duclé*. A small Mons. Jules Elie. Mid-season.

- 7.5 *Marchal Valliant*. American Beauty color; late.

Vaughan's Irises

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the exhibition rating given to them by the Iris Society, 10 being the highest rating used in judging.

Iris are the most effective if planted 3 of a kind in a clump.

As soon as German iris plants are received, plant them in a sunny, well drained place. Each plant should have at least eighteen inches clear space from other irises, as it will grow in a circle and many varieties spread rapidly. The rhizome, or fleshy root stock from which the leaves and roots grow, should be barely covered with soil, with the roots properly spread

below, and the soil well firmed about them. Until the plant is established, give it frequent attention, watering in dry spells. In the first winter, after the ground has frozen, a light mulch to prevent thawing and heaving will be beneficial.

NEW AND OUTSTANDING VARIETIES

- 9.2 *Asia*. 45 in. One of the most beautiful and finest Irises in cultivation. S. pale silvery lavender deepening at the base to golden yellow. F. pale reddish purple, lighter at the edges. Flowers exceptionally large. Late. 25c.
- 7.4 *Autumn King*. 30 in. A blue-purple bicolor of fine size and shape that has a habit of blooming a second time in the autumn. 25c.
- Autumn Queen*. 18 in. Pure white flowers of good size and quality. Blooms early in spring and several times during the year. 25c.
- Baldwin*. 40 in. Finely formed flowers of a uniform manganese violet color. A Sass variety of gigantic size and outstanding quality. 50c.
- Blue Velvet*. 46 in. A clear, beautiful, very dark blue self, the color of the richest shade of deep dark blue velvet. A superb flower of large size and heavy substance. \$1.75.
- Cameliard*. 48 in. One of the best and most brilliant light type variegatas. S. amber yellow; F. yellow, flushed light purple and bordered yellow. Vigorous and free flowering; late. 50c.
- 9.2 *Cardinal*. 36 in. One of the finest of the Dominion race. Massive flowers of deep velvety crimson purple that show a glowing cardinal tint when seen in the sun. 35c.
- Cinnabar*. 42 in. A beautiful large flower of perfect form and deep, rich velvety red tone. Of great substance, being able to withstand rain, wind and hot sunshine without being impaired. Very vigorous and floriferous. 35c.
- Clara Noyes*. 38 in. A brilliant blending of red, orange and yellow that is not unlike the coloring of the Talisman Rose. Entirely different from all other Irises, it creates a sensation wherever shown. \$3.00.
- Coronation*. 40 in. A brilliant, clear deep golden yellow of fine form and substance. A strong hardy grower and profuse bloomer. 35c.
- Dauntless*. 40 in. One of the brightest red Irises introduced. A brilliant rose red self with flaring falls that appear darker because of their velvety quality. A Dykes Medal winner in 1929. \$1.50.
- 9.3 *Dolly Madison*. 38 in. S. mauvette shading to yellow at base; F. lilac tinged old gold at haft. Sometimes described as a Glorified Quaker Lady. Very fine as its high rating indicates. 50c.
- 8.9 *Frieda Mohr*. 42 in. A gigantic pink toned Iris that measures 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring; very stately and beautiful and one of the very best of the "pinks." Exquisite locust-like perfume 35c; 3 for \$1.00.

- 9.1 *Germaine Perthuis*. 36 in. An enormous, rich violet purple, self-lighted by a striking yellow beard. Flowers have a wonderful velvety appearance and are deliciously scented. A descendent of S. de Mad. Gaudichau. 35c.

- Indian Chief*. 40 in. One of the finest and most popular of recent introductions. S. beautiful pinkish red; F. deep rich glowing velvety red. Large well-shaped flowers of heavy substance. Very striking. \$1.00.

- Labor*. 36 in. An extraordinary Iris of an absolutely new color. S. dark violet heliotrope suffused with a soft coppery glow; F. deeper shade. A beautifully colored new Iris that is highly rated in England. 25c.

- Los Angeles*. 40 in. Giant, snowy-white flowers of satin texture; the standards faintly edged lavender blue. Perfectly hardy, it is considered one of the finest of all white Irises. \$1.00.

- Midgard*. 36 in. An exquisite combination of soft yellow, pink and rose of indescribable beauty. An exceedingly popular variety with ruffled flowers of good size and extra heavy substance. 35c.

- 9.1 *Morning Splendor*. 48 in. S. petunia violet; F. rich raisin-purple. Gives a beautiful red effect in the garden; delightfully fragrant. 25c; 3 for 50c.

- 9.2 *Mrs. Valerie West*. 42 in. Considered the best of the Dominion Seedlings. S. bronze flushed with lavender; F. massive and flaring, deep velvety crimson brown. Exceedingly large flowers on tall well-branched stems. Very handsome. 90c.

- Nebraska*. 34 in. Fine large flowers of rich apricot yellow. The standards are ruffled and the falls striped and clouded brown. Very beautiful. 50c.

- Pink Satin*. 42 in. Large, finely shaped flowers of a very delicate and smooth, yet glistening pink. The most outstanding of all the American pink Irises. \$3.00.

- Pluie d'Or (Golden Rain)*. 40 in. Probably the best pure golden yellow self yet introduced. A large flower of perfect form and a profuse bloomer. An outstanding variety in both Europe and America. 90c.

- Rameses*. 36 in. A large blend of russet rose, pink and buff with a yellow glow at the center; large apricot beard. A vigorous healthy grower and free bloomer. Attracts immediate attention wherever shown. \$1.75.

- Rhea*. 36 in. S. lobelia violet; F. pansy violet with tawny haft. A stately Iris, similar to *Isoline*, but darker and a much better variety. 35c.

- 9.1 *Santa Barbara*. 40 in. A gigantic light blue self of perfect form with flaring falls. An outstanding variety and one of the finest of its color. 25c.

- 9.2 *Sir Michael*. 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. 75c.

- 9.2 *Souv. de Loetitia Michaud*. 48 in. Magnificent flowers of an attractive shade of lobelia blue, shading toward the edge to pale blue. 35c.

- 8.8 *Tenebrae*. 36 in. A richly colored Dominion seedling. S. deep violet-purple; F. velvety black-purple. Large finely formed flowers. 35c.

- 8.8 *True Charm*. 40 in. Fine large flowers of white with the margins delicately etched lavender blue. A delightful flower. Fragrant. 25c.

- 8.5 *Valencia*. 30 in. A bright orange-buff, similar to the color of the Valencia orange. A very charming new color. 35c.

- 8.9 *Vesper Gold*. 42 in. A new distinct yellow suffused with violaceous reflections. Bright orange beard. A beautiful Iris with arching standards and flaring falls. Strong growing. Late. 25c; 3 for 50c.

- Wambiska (White Eagle)*. 45 in. A glorious new white of huge size and heavy texture. S. snowy glittering white tinted blue at the heart; F. clear snow white with pale yellow beard. The largest and finest of the really hardy white Irises. \$1.50.

- 8.9 *Wm. Mohr*. 26 in. One of the most remarkable Irises ever raised. The ground color is pale lilac, the standards flushed darker, and the whole flower is beautifully veined manganese-violet. The flower is of large size, has great substance and is of perfect form. 75c.

Special Offer No. 26-C One each *Cinnabar*, *Frieda Mohr*, *Germaine Perthuis*, *Midgard Pluie d'Or*, *Sir Michael*, *Souv. de Loetitia Michaud* and *William Mohr* (value \$4.15) for \$3.75.

TWENTY OF WORLD'S FINEST IRISES

Price, any of the following, 25c each; 3 of one kind for 50c.

- 9.2 *Ambassadeur*. 40 in. S. smoky bronze; F. dark velvety maroon. Voted by the American Iris Society the most popular Iris in the world. Late.
- 9.0 *Ballerine*. 48 in. One of the best of the light blue toned varieties. S. light violet-blue with wavy edges; F. slightly deeper. Fragrant.
- 8.2 *Chasseur*. 36 in. Beautiful cream-colored buds marked with gold and brown and large, artistically formed flowers with broad standards and well-rounded falls of clear yellow, shaded lighter at the center.
- 8.4 *Dream*. 36 in. A very lovely, orchid-like flower of a soft clear pink. Of graceful Pallida habits, vigorous in growth and free flowering.
- 8.6 *Gold Imperial*. 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture and form.



JAPANESE IRIS

Twelve Iris \$2 Aristocrats

CATALOG VALUE \$3.45—PREPAID 300 MILES

These are among the fifty finest irises in cultivation, as listed by the American Iris Society's bulletin. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your iris display is lacking if you have not these varieties; and depression prices make it possible to own them for less than the cost of ordinary plants.

- 9.2 **Ambassadeur**. 40 in. S. smoky bronze; F. dark velvety maroon. Late. 25c.
- 9.2 **Asia**. 45 in. S. pale lavender; F. pale reddish purple. Late. 25c.
- 9.0 **Ballerine**. 48 in. S. light violet-blue; F. a deeper shade. Fragrant. 25c.
- 9.3 **Dolly Madison**. 38 in. S. mauve shading to yellow at base; F. lilac tinged old gold. 50c.
- 8.9 **Frieda Mohr**. 42 in. A gigantic pink toned Iris. One of the very best "pinks." Exquisite perfume. 35c.
- 8.6 **Gold Imperial**. 33 in. Brilliant chrome yellow. 25c.
- Midgard**. 36 in. An exquisite combination of soft yellow, pink and rose. 35c.
- 9.1 **Morning Splendor**. 48 in. S. petunia violet; F. rich raisin-purple. Fragrant. 25c.
- 9.0 **Princess Beatrice**. 40 in. A selected form of *Pallida Dalmatica* and one of the finest of all Irises. 25c.
- 8.8 **Queen Caterina**. 40 in. Pale lavender. 25c.
- 9.1 **Souv. de Mad. Gaudichau**. 40 in. Large flowers of rich blue purple. 25c.
- 8.8 **True Charm**. 40 in. Large white flowers with the margins delicately etched lavender blue. Fragrant. 25c.



FRIEDA MOHR

IRIS—TWENTY OF WORLD'S FINEST—Continued

- 8.3 **Imperator**. 36 in. A large red toned Iris that adds a bright note to the garden. S. reddish-violet tinted buff; F. deeper shade. Late.
- King Karl**. The best liked plicata blend. S. light pinkish cinnamon, beautifully ruffled; F. cream, sprinkled purple with a yellow beard.
- 8.0 **Lady Byng**. 36 in. A beautiful Iris of exceptionally fine form and substance. Color a clear pale lavender with a slight suffusion of rose.
- 8.8 **Lord of June**. 40 in. S. floppy lavender-blue; F. rich violet-blue. Flowers exceedingly large and handsome; bold and vigorous habit.
- 8.7 **Magnifica**. 44 in. S. light purple on white; F. dark reddish purple. Flowers of heavy texture, measuring 6 inches high. Fragrant.
- 8.4 **Medrano**. 30 in. S. and F. a beautiful dark smoky claret, a very rare color. Flowers of large size. Late.
- 8.6 **Mildred Presby**. S. white; F. rich, dark, velvety pansy-violet with narrow edge of lavender white. Large flowers of clear coloring.
- 8.8 **Mlle. Schwartz**. 48 in. Lovely pale mauve flowers of exceptionally large size, borne on very tall branching stems.
- 8.3 **Ochracea (Sunset)**. S. dull old gold; F. coppery yellow, tinged with purple. Flowers of wonderful coloring and artistic form. Late.
- 9.0 **Princess Beatrice**. 40 in. A selected form of *Pallida Dalmatica* and one of the finest of all Irises. Silvery lavender of satiny texture.
- 8.8 **Queen Caterina**. 40 in. Pale lavender violet with a smooth iridescent sheen and bright orange beard. A beautifully colored Iris.
- 9.1 **Souv. de Mad. Gaudichau**. 40 in. This is without a doubt the most beautiful of all the deep purple Iris. Large flowers of rich velvety purple.
- 8.5 **Susan Bliss**. 42 in. Exquisite flowers of a uniform shade of deep rose-pink with a light orange beard. Fine shape and of splendid substance.
- 8.2 **Taj Mahal**. 38 in. A very fine white of good shape and great substance borne on tall, well-balanced stalks. Vigorous grower.
- Trostringer**. 36 in. A very lovely soft pink-toned variety that might be described as a white flushed apple blossom pink.

STANDARD VARIETIES AT BARGAIN PRICES

We have a large collection of these in named varieties in all colors. In ordering state color wanted and a good named variety, labeled, will be supplied. List of varieties mailed on request. Price, 3 of one kind for 30c; 12 of one kind for \$1.00.

DWARF IRISES

Price, any of the following, 25c each; 3 of one kind for 50c.

- Cristata (Crested Iris)**. Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden.
- Pumila Hybrida**. Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.
- Dixmude**. S. analine blue; F. rich crimson-purple.
- Orange Queen**. Clear deep yellow with orange beard.
- Schneekuppe**. Fragrant white.

VARIOUS BEARDLESS IRISES

These varieties bloom after the German Irises are gone and before the Japanese Irises open.

- Dorothy K. Williamson**. 33 in. A rich velvety royal purple flower of intense color. One of the finest beardless Irises. Plant in moist, well-drained soil. 35c.
- Fulva**. 18 in. An interesting species with beautiful coppery red flowers in middle June. Very unusual. Likes semi-shade. 50c; 3 for \$1.00.
- Mrs. A. W. Tait**. 30 in. A soft porcelain blue *Spuria* Hybrid which is very beautiful and free flowering. 35c.
- Ochroleuca Gigantea**. 60 in. A giant form of *Ochroleuca* with large ivory white flowers marked yellow at the throat. Long slender foliage. 50c.
- Pseudoacorus (Common Yellow Water Flag)**. 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 25c.
- Versicolor (Common American Water Flag)**. 24 in. Showy violet-blue, remaining in bloom for a long time. Good for waterside plantings. 25c.

The **Beardless, Japanese and Siberian Irises**, unlike the Bearded Irises, prefer an acid soil and deep planting (about 2 inches.) Peat Moss is excellent to use in the beds in which they are planted.

Special Offer No. 27-A Two Months of Iris Blooms. 3 Dwarf Bearded, 6 Tall Bearded, 3 Siberian, 3 Beardless, and 3 Japanese, all different varieties, our selection, labeled. 18 plants (value \$4.70) for \$2.50.

JAPANESE IRISES (Kaempferi)

The last of the Iris Species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

- Gold Bound**. Double. White with gold-banded center. Earliest to bloom.
- Iso-No-Nami (Shallow Waves)**. Suffused rose and blue over white; gold center. One of the largest flowered and the latest to bloom. Double. Each, 50c.
- Kumochi-Guma**. A very full double of dark purplish indigo. Midseason.
- Kumo-No-Obi (Band of Cloud)**. A beautiful double of pleasing lavender effect.
- Mahogany**. Large double flowers of velvety-mahogany red. Late.
- Momigi-No-Taki (Maple Waterfall)**. Bright rosy crimson feathered in white. D.
- Purple and Gold**. An enormous double of rich violet-purple with gold center.
- Uchuu**. Cerulean blue, veined white; gold center. Blooms a long time. Double.
- Waria Hotei (Laughing Doll)**. Extra large flowers of lavender blue with primrose blotches and dark violet veins. A very striking variety. Each, 50c.
- Zama-No-Mori**. White slightly shaded azure blue. An extremely large, daintily colored single. An outstanding variety. Each, 50c.

Price of above except where noted, each 35c; 3 of one kind for 90c; 10 of one kind for \$2.50.

Mixed Seedlings. 3 for 30c; 12 for \$1.00; clumps, each, 35c.

Special Offer No. 27-B One each of above 10 named Japanese Irises for \$2.50; 3 each for \$5.00.

NEW JAPANESE IRISES

- Bokhara**. Single Phlox purple, yellow blotch in center edged blue. Wavy petals. 75c.
- Chutsai**. Single Hortense violet veined white. Inner petals phlox purple. 75c.
- Ispahan**. Double phlox purple veined white. 75c.
- Repsime**. Double blue veined white. 75c.
- Sadarabad**. Single white overcast with pale phlox pink. 75c.
- Subotai**. Single rosy-red. Very good. 75c.
- Temple Flower**. Single ivory white heavily blended with soft bluish-violet. Veined white. Inner petals white edged phlox pink. 75c.
- Violet Giant**. Semi-double. Rich violet shading to rose. The largest Japanese Iris we have ever seen. \$1.50.

SIBERIAN IRISES

Price, except where noted, 25c; 3 of one kind for 50c,

- Butterfly**. 36 in. Lovely porcelain blue flowers; vigorous grower.
- Emperor**. 48 in. Large flowers of a deep, rich violet-blue. Very fine.
- George Wallace**. 46 in. Azure-blue, F. marked white. A popular variety, 3 for 30c.
- Perry's Blue**. 48 in. Large, well formed flowers of a beautiful shade of sky-blue. One of the most popular and finest of Siberian Irises.
- Orientalis**. 24 in. Rich deep purple. Fine for naturalized plantings. 3 for 30c.
- Snow Queen**. 30 in. Large, ivory white with rich yellow blotch at the throat.
- Mixed Seedlings. 3 for 30c; 12 for \$1.00.

Trees and Shrubs of Unusual



DWARF BURNING BUSH

ALMOND (*Prunus*)

Flowering Almond (*Prunus Glandulosa*). 4 to 6 ft. These well known, bushy shrubs are favorites in the old gardens. They never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, rose-like flowers that are closely set along the branches.

White Flowering Almond (*Prunus Glandulosa Albiplena*). 2 to 3 ft., 75c; per 10, \$6.00; 3 to 4 ft., 90c; per 10, \$7.50.

Pink Flowering Almond (*Prunus Glandulosa Sinensis*). 2 to 3 ft., 75c; per 10, \$6.00; 3 to 4 ft., 90c; per 10, \$7.50.

BARBERRY (*Berberis*)

Red-leaved Japanese Barberry (*Berberis Thunbergi Atropurpurea*). 4 ft. Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. It should be planted in full sun to develop its coloring. 15 to 18 in., each, 50c; per 10, \$4.00; per 100, \$30.00; 18 to 24 in., each, 60c; per 10, \$5.00; 100, \$40.00.

Japanese Barberry (*Berberis Thunbergi*). 4 ft. Useful low growing shrub for hedges or general purposes. 12 to 18 in., each, 30c; per 10, \$2.00; 100, \$15.00; 18 to 24 in., each, 40c; per 10, \$3.00; 100, \$20.00.

BEAUTY BUSH (*Kolkwitzia Amabilis*)

Its trumpet-shaped pink flowers are freely produced. Grows from 6 to 8 ft. tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. One of E. H. Wilson's and the Arnold Arboretum's choicest new introductions from China. 18 to 24 in., each, 50c; per 10, \$4.00; 2 to 3 ft., each, 65c; per 10, \$5.50; 3 to 4 ft., each, 75c; per 10, \$6.00; 4 to 5 ft., specimens, B. & B., each, \$2.50.

BRIDALWREATH (*Spiraea van Houttei*)

5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., each, 40c; per 10, \$3.00; 100, \$20.00; 3 to 4 ft., each, 50c; per 10, \$4.00; 100, \$25.00; 4 to 5 ft., each, 60c; per 10, \$5.00; 100, \$30.00.

BURNING BUSH (*Euonymus*)

Winged Burning Bush (*Euonymus Alatus*). 6 to 8 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., each, 75c; per 10, \$6.50; 3 to 4 ft., \$1.00; per 10, \$9.00.

Dwarf Burning Bush (*Euonymus Alatus Compacta*). A compact form that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. The picture shows the natural habit of the shrub without pruning. 12 to 18 in., each, 75c; per 10, \$6.50; 18 to 24 in., each, 90c; per 10, \$7.50.

European Burning Bush or Spindletree (*Euonymus Europaeus*). 12 to 14 ft. A tall, erect shrub, very handsome and conspicuous in autumn and winter when it is loaded with rose-colored capsules, from which orange-colored berries hang on slender threads. Rarely seen in gardens but one of our finest berried shrubs. 3 to 4 ft., each, 50c; per 10, \$4.00; 4 to 5 ft., each, 60c; per 10, \$5.00.

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

All Prices are F. O. B. Our Nurseries. Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B & B indicates Balled and Burlapped.

CHERRY, JAPANESE FLOWERING

Fujizan (Mt. Fuji). 20 ft. A beautiful variety that produces an abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide. Late flowering. 4 to 5 ft., each, \$2.25.

Kwanzan (Sekizan). 20 to 25 ft. Often called the handsomest of all the double-flowering cherries. It forms an upright spreading tree with gray bark and deep green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 4 to 5 ft., each, \$2.25; 5 to 6 ft., specimens, each, \$6.50; 6 to 7 ft., specimens, each, \$10.00.

Sieboldi (Naden). 20 ft. A very popular late-flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 4 to 5 ft., each, \$2.25; 5 to 6 ft., specimens, \$6.50.



JAPANESE FLOWERING CHERRY

Special Offer: one each Fujizan, Kwanzan and Sieboldi, 4 to 5 ft., for \$6.00.

CHERRY, JAPANESE WEEPING

Double Flowering (New). A distinct and beautiful form of the Weeping Cherry. Its double pink flowers are large and similar in size and color to those of the variety Kwanzan. 5 to 6 ft. stem, 2-yr. head, \$3.50.

CORALBERRY

Coralberry or Indian Currant (*Symphoricarpos Vulgaris*). 3 to 4 ft. Purplish red fruit in Fall. Succeeds well in shade. 2 to 3 ft., each, 40c; per 10, \$3.50; 3 to 4 ft., each, 50c; per 10, \$4.00.

CRANBERRYBUSH (*Viburnum*)

European Cranberrybush (*Viburnum Opulus*). 8 to 10 ft. Of upright, spreading habit with dense green foliage. The single white flowers, borne in flat, imperfect clusters in May, are succeeded with very showy, cranberry like berries that cling to the leafless branches all winter. 2 to 3 ft., 50c; per 10, \$4.00; 3 to 4 ft., 60c; per 10, \$5.00; 4 to 5 ft., 75c; per 10, \$6.00; 5 to 6 ft., specimens, \$3.50.

COTONEASTER

Peking Cotonaster (*Acutifolia*). 5 to 10 ft. A dense-growing shrub with dark green, oval leaves; jet black berries in fall. Stands trimming and makes a compact hedge resembling the Privet. Extremely hardy. 2 to 3 ft., 50c; per 10, \$4.00; per 100, \$30.00.

Rock Cotonaster (*Horizontalis*). 1 to 1½ ft. "Most popular of the red-fruited varieties," says E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. Good for rockeries and borders. 12 to 15 in., B. & B., each, \$1.00; per 10, \$9.00.

Spreading Cotonaster (*Divaricata*). 5 to 6 ft. Especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The leaves turn a brilliant crimson before they fall. An excellent hedge plant. 2 to 3 ft., each, 50c; per 10, \$4.00; per 100, \$25.00; 2 to 3 ft., B. & B., each, 75c; per 10, \$6.50; 3 to 4 ft., each, 60c; per 10, \$5.00; per 100, \$35.00; 3 to 4 ft., B. & B., each, \$1.00; per 10, \$7.50.

CRAB, FLOWERING (*Malus*)

Bechtel's Double-Flowering Crab (*Malus Ioensis Bechteli*). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$1.50; per 10, \$12.50; 4 to 5 ft., \$2.00; per 10, \$17.50; 5 to 6 ft., \$3.00; per 10, \$27.50; 6 ft., specimens, \$8.00.

Carmine Crab (*Malus Atrosanguinea*). 10 to 15 ft. Similar to the Japanese, with carmine flowers which do not fade. 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft.

Redvein Crab (*Malus Niedzwetzkyana*). 10 to 15 ft. A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft.

Japanese Flowering Crab (*Malus Floribunda*). 10 to 15 ft. Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft.; 6 to 10 ft., specimens.

Price of above, except where noted, 3 to 4 ft., each, \$1.00; per 10, \$9.00; 4 to 5 ft., each, \$1.50; per 10, \$12.50; 5 to 6 ft., each, \$1.75; per 10, \$15.00; 6 to 8 ft., each, \$3.00; 6 to 8 ft., specimens, each, \$5.00. Sizes which we have to offer, noted after each variety.

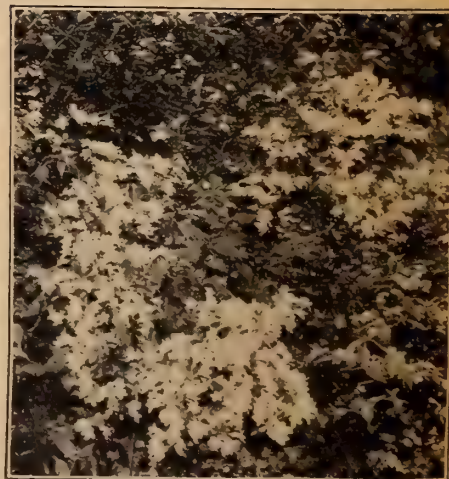
Special Offer: One each Bechtel's Double-Flowering Crab, Japanese Flowering Crab, Redvein Crab, 4 to 5 ft. (value \$5.00) for \$3.25; 5 to 6 ft. (value \$6.50) for \$4.75.

We have a large collection of Flowering Crabs. Write for special price list.

DOGWOOD (*Cornus*)

Coral Dogwood (*Cornus Alba Sibirica*). 6 to 10 ft. Bright coral-red branches. 2 to 3 ft., each, 45c; per 10, \$3.50; 3 to 4 ft., each, 50c; per 10, \$4.00.

Goldentwig Dogwood (*Cornus Stolonifera*). 6 to 10 ft. Attractive golden yellow bark. 2 to 3 ft., each, 50c; per 10, \$4.00; 3 to 4 ft., each, 60c; per 10, \$5.00.



BEAUTY BUSH (*Kolkwitzia Amabilis*)

Beauty and Distinctive Charm

DAPHNE

Rose Daphne (*Daphne Cneorum*). 1 ft. A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, poor gravelly soil. In cold climates the plants should be protected during winter. 9 to 12 in., B. & B., each, \$1.25; per 10, \$11.50.

ELM (Ulmus)

3 Quick Growing Varieties

American Elm, Moline Type (*Ulmus Americana Molini*). 80 to 100 ft. Exceedingly large foliage. Of upright habit, taking up little room. Splendid tree for the street or for small yards.

American Elm, Vase Type (*Ulmus Americana Urni*). 80 to 100 ft. A beautiful tree for landscape or boulevard planting where grace, dignity and uniformity are desired. A true vase-shaped tree.

Chinese or Siberian Elm (*Ulmus Pumila*). 75 ft. On account of its rapid growth, resistance to disease, and ability to thrive in most any situation, this new variety is already one of the most popular shade and street trees in America. A tree of rare beauty with small, dark green foliage. Prices of the above 3 Elm Trees as follows:

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/4 to 1 1/2 inch.	\$2.25	\$20.00
10 to 12 ft.	1 1/2 to 1 3/4 inch.	3.00	27.50
10 to 12 ft.	1 3/4 to 2 inch.	4.00	37.50

GOLDEN BELL (Forsythia)

Border Forsythia (*F. Intermedia*). 6 to 8 ft. Bright golden yellow flowers in early spring. 2 to 3 ft., each, 40c; per 10, \$3.00; 3 to 4 ft., each, 50c; per 10, \$4.00; 4 to 5 ft., each, 60c; per 10, \$5.00.

Showy Border Golden Bell (*Forsythia Intermedia Spectabilis*). 6 to 8 ft. Considered the best of the Forsythias on account of its larger and richer yellow blossoms which completely cover the wide spreading branches in early Spring. 2 to 3 ft., 50c; per 10, \$4.00; 3 to 4 ft., 60c; per 10, \$5.00; 4 to 5 ft., 70c; per 10, \$6.00.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (*Crataegus Oxyacantha Splendens*). 12 to 15 ft. The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub, and makes a fine specimen for the lawn. 3 to 4 ft., tree form, each, \$1.25; per 10, \$19.00; 4 to 5 ft., tree form, each, \$2.00; per 10, \$17.50.



AMERICAN ELM, MOLINE TYPE

HONEYSUCKLE (Lonicera)

Broad Blueleaf Honeysuckle (*Lonicera Korolkowii Floribunda*). 10 ft. Twiggy growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants producing a misty effect. Conspicuous dark red fruits. 2 to 3 ft., 65c; per 10, \$5.00; 3 to 4 ft., 75c; per 10, \$6.00; 4 to 5 ft., 90c.

Late Honeysuckle (*Lonicera Maackii Podocarpa*). 12 to 15 ft. Widespread branches abundantly clothed with dark green foliage. Its honey-scented flowers open white tinged with pink and fade to cream. Although it blooms in June, its brilliant scarlet fruit does not ripen until November. 2 to 3 ft., 75c; per 10, \$6.00. 3 to 4 ft., \$1.00; per 10, \$7.50.

Tatarian Honeysuckle, Pink or White (*Lonicera Tatarica*). 9 to 10 ft. One of our best shrubs for screen and border plantings. 3 to 4 ft., each, 50c; per 10, \$4.00; 100, \$25.00; 4 to 5 ft., each, 60c; per 10, \$5.00; 100, \$35.00.

HYDRANGEA, Oak Leaved

Oak-leaved Hydrangea (*Hydrangea Quercifolia*). 3 to 5 ft. The leaves are a dark green in summer, turning to richest red in autumn. They will stand some shade and smoky city conditions and are well adapted to foundation or low border plantings. Its flowers are pinkish white, borne in upright clusters in June. 18 to 24 in., 75c; 3 to 4 ft., B. & B., \$2.50.



LATE HONEYSUCKLE

JETBEAD (Rhodotypos Kerrioides)

4 to 5 ft. This is one of our handsomest and most useful shrubs. It will thrive in shaded locations and in smoky cities. The leaves are large, of a beautiful green, and do not drop until late in the fall. The flowers are a large, single white, appear in May, and are followed by shining black berries which persist throughout the winter. 2 to 3 ft., 50c; per 10, \$4.00; 3 to 4 ft., 60c; per 10, \$5.00.

HYBRID LILACS (Syringa) New and Rare Varieties

Berryer. Very early, long trusses of semi-double mauve flowers. Blooms a long time. 2 to 3 ft.; 3 to 4 ft.

***Claude Bernard.** Double, a rapid-growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early. 3 to 4 ft.; 4 to 5 ft.

***Descartes.** Single, mauve-pink; exceedingly free. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

Diderot. Single, enormous panicles, one foot long, with large claret-purple flowers; very free. 2 to 3 ft.; 3 to 4 ft.

Edouard Andre. Double; clear rose or nearly pink, one of the best of this color. 2 to 3 ft.; 3 to 4 ft.

Jean Mace. Double, broad, compact panicles of billowy blue flowers; an early and very floriferous variety. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

Leon Gambetta. Double; enormous trusses; very large, lilac-rose flowers, very pretty; early. 2 to 3 ft., each, \$1.25; 3 to 4 ft., each, \$1.50.



FRENCH HYBRID LILAC

Louvois. Very early, single; voluminous clusters of large flowers, deep violet-purple with bluish shades. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.; 4 to 5 ft. specimens.

Marechal Lannes. Very broad panicles of double or semi-double flowers of amazing size; bluish violet. 2 to 3 ft.

***Mirebeau.** Single; mauve, the earliest of all. 2 to 3 ft.; 3 to 4 ft.

Montaigne. Double. Pinkish mauve, very large clusters. Late. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

President Faillieres. Double; immense clusters, pale lavender. 2 to 3 ft., \$1.50.

The varieties marked * belong to a new class of Lilacs, the "Early Lilacs," which expand their flowers before the lilacs now known.

Prices of above, except where noted, 2 to 3 ft., each, \$1.00; per 10, \$9.00; 3 to 4 ft., each, \$1.25; per 10, \$10.00; 4 to 5 ft., each, \$1.50; per 10, \$12.50; 4 to 5 ft., specimens, each, \$3.00. Sizes which we have to offer noted after each variety.

We have a large collection of Lilacs.
Write for special price list.

Outstanding Lilac Novelties

Jan Van Tol. Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., each, \$1.50.

Katherine Havemeyer. Double, cobalt blue, flushed mauve; enormous flower of the most perfect shape with broad imbricated lobes. One of the handsomest lilacs. 2 to 3 ft., each, \$1.50.

Mrs. Edward Harding. Double, bright carmine, big panicles of large, full flowers. This variety was awarded the special prize founded by Mrs. Edward Harding for the best double red lilac. 2 to 3 ft., each, \$1.50.

President Poincare. Immense, double violet flowers in large compact trusses. One of the handsomest of all Lilacs. Very fragrant. 2 to 3 ft., each, \$1.50.

SPECIAL OFFER. One each of the above four Lilacs for \$5.00.

HYBRID LILACS (Syringa)

Chas. Joly, semi-double dark red; **Chas. X,** single reddish purple; **Ludwig Spaeth,** single dark reddish-purple; **Mad. Lemoine,** double white; **Marie Le-graye,** single white; **Michael Buchner,** double lilac; **Pres. Grevy,** double blue. Price of above 2 to 3 ft., 75c; 10, \$6.50; 3 to 4 ft., 90c; 10, \$7.50; 4 to 5 ft., \$1.00; 10, \$8.50; 5 to 6 ft., \$1.50.

PERSIAN LILACS

Persian Purple (*Syringa Persica*). 8 to 10 ft. Small leaves and loose panicles of pale lilac flowers. 2 to 3 ft., 50c; 10, \$4.00; 3 to 4 ft., 60c; 10, \$5.00; 4 to 5 ft., 75c; 10, \$6.00.

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

Trees and Shrubs of Unusual Beauty and Distinctive Charm



GOLDEN ROSE OF CHINA

MAPLE (Acer)

Norway Maple. (*Acer Platanoides*). 50 to 75 ft. A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/4 to 1 1/2 inch.	\$3.00	\$27.50
8 to 10 ft.	1 1/2 to 1 3/4 inch.	4.00	37.50
10 to 12 ft.	1 3/4 to 2 inch.	5.00	45.00

Larger sizes, prices on application.

Schwedler Maple (*Acer Platanoides Schwedleri*). 40 to 60 ft. Especially attractive in the spring, when their gleaming red and purple leaves contrast brightly with the delicate green of other trees. They change to dark green during the summer and fade with tones of yellow and brown in the fall.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/4 inch.	\$4.00	\$37.50
8 to 10 ft.	1 1/4 to 1 1/2 inch.	5.00	47.50

PRIVET (*Ligustrum Amurense*)

12 ft. One of the best hardy hedge plants. 18 to 24 in., bushy, each, 20c; per 10, \$1.00; 100, \$8.00; 2 to 3 ft., extra bushy, each, 25c; per 10, \$1.50; 100, \$12.00; 3 to 4 ft., extra bushy, each, 35c; per 10, \$2.50; 100, \$18.00.

MOCK ORANGE (*Philadelphus*)

Dame Blanche (White Lady). 4 ft. Small foliage and upright branches to about four feet. Semi-double fringed flowers, creamy white and very fragrant. 18 to 24 in., 50c; 10, \$4.50.

Norma. 7 to 8 ft. Usually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 2 to 3 ft., 60c; per 10, \$5.00; 3 to 4 ft., 75c; per 10, \$6.00; 4 to 5 ft., 90c.

Pyramidalis. 8 to 10 ft. Waxy white clusters of large double flowers. Of tall, compact, pyramidal growth with large dark green leaves. 2 to 3 ft., each, 60c; per 10, \$5.00; 3 to 4 ft., each, 75c; per 10, \$6.00.

Virginalis. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white, and sweet-scented. It has a long blooming season, the new wood producing large individual, single or semi-double flowers throughout the summer. 2 to 3 ft., 50c; per 10, \$4.50; 3 to 4 ft., 60c; per 10, \$5.00; 4 to 5 ft., bushy, 75c; per 10, \$6.00; 4 to 5 ft., specimens, \$2.00.

White is the latest vogue in flowers. The Mock Oranges make a beautiful display of white in the garden and are excellent for cutting. We have a large collection of them. Write for Special List.

PLUM (*Prunus*)

Double-Flowering Plum (*Prunus Triloba*). 7 to 8 ft. Native of China. Flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 2 to 3 ft., 75c; 10, \$6.00; 3 to 4 ft., tree form, 90c; 10, \$7.50.

Nanking Cherry (*Prunus Tomentosa*). 4 to 6 ft. An extremely hardy shrub that in April just as the leaves begin to unfold, it is clothed with a profusion of pale pink flowers that are followed by brilliant scarlet, edible fruits that ripen in June. It is an ideal dwarf tree for a border planting. 3 to 4 ft., 50c; per 10, \$4.00; 4 to 5 ft., 60c; per 10, \$5.00.



RUGOSA ROSE Dr. Eckener

Newport Plum (*Prunus Cerasifera Newport*). 12 to 15 ft. Similar to the variety Pissardi but of deeper coloring and more hardy. Flowers rosy white, fruits magenta red. 3 to 4 ft., 75c; per 10, \$6.00; 4 to 5 ft., 90c; per 10, \$7.50; 5 to 6 ft., \$1.25.

Purple leaf Plum (*Prunus Cerasifera Pissardi*). 12 to 15 ft. A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. 3 to 4 ft., 75c; per 10, \$6.00; 5 to 6 ft., \$1.25.

GOLDEN ROSE OF CHINA

Golden Rose of China (*Rosa Hugonis*). 6 ft. This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. It never winter-kills. 2 year, each, 60c.

NEW HYBRID RUGOSA ROSES

Agnes. 5 to 6 ft. The flowers are a rich amber yellow, double, sweetly scented and come early in June. It is a vigorous grower with grey-green, crinkled foliage. 2-year, 75c; per 10, \$7.00; 3-year, \$1.00.

F. J. Grootendorst. 5 to 6 ft. A cross between the Rugosa and the Crimson Baby Rambler. The plant is vigorous, will attain a height of six feet. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, 75c; per 10, \$7.00.

Rugosa Dr. Eckener. 5 to 6 ft. Large, fragrant, cup-shaped flowers of luminous buff-pink with golden suffusion. Very hardy and blooms intermittently from July to September. 2 yr., 75c.

Pink Grootendorst. 5 to 6 ft. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, 75c.

OREGON HOLLYGRAPE (*Mahonia Aquifolia*)

2 to 4 ft. An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., each, 75c; per 10, \$6.00; 15 to 18 in., B. & B., each, \$1.00; per 10, \$9.00; 18 to 24 in., B. & B., each, \$1.25; per 10, \$11.50; 2 to 2 1/2 ft., B. & B., each, \$1.75.

SNOWBALL (*Viburnum*)

Old-Fashioned Snowball (*V. Opulus Sterile*). 8 to 10 ft. Large balls of white flowers in May. 2 to 3 ft., each, 50c; per 10, \$4.00; 3 to 4 ft., each, 60c; per 10, \$5.00; 4 to 5 ft., each, 75c; per 10, \$6.00.

Viburnum Carlesi (*Fragrant Snowball*). 4 ft. This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance and is considered by the Arnold Arboretum as 'Korea's great gift to our gardens. Hardy, but best planted in a somewhat sheltered position. 18 to 24 in., B. & B., \$2.00; 24 to 30 in., B. & B., \$3.00; 2 1/2 to 3 ft., specimens, \$6.00.

Viburnum Fragrans. 8 to 9 ft. A very rare and interesting new shrub that blooms in April. At that time its leafless branches are clothed with profuse trusses of pearl-pink flowers that are deliciously fragrant. Will be much planted for its loveliness and fragrance. 2 to 3 ft., B. & B., each, \$3.00; 3 to 4 ft., B. & B., each, \$5.00.



WINTER BLOOMING WITCH HAZEL

FLOWERING QUINCE

Flowering Quince (*Cydonia Japonica*). 4 to 5 ft. Very showy in April when its branches are covered with brilliant crimson flowers, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., each, 40c; per 10, \$3.00; 2 to 3 ft., each, 50c; per 10, \$4.00; 3 to 4 ft., each, 60c.

SMOKETREE (*Rhus Cotinus*)

Smoketree (*Rhus Cotinus*). 10 to 12 ft. A tall shrub bearing huge, plummy masses of misty smoke-colored flowers in July. They last for a month or more and are highly ornamental. 2 to 3 ft., 60c; per 10, \$5.00.

EVERBLOOMING SPIRAEA

Spiraea Froebeli. 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs. 18 to 24 in., each, 40c; per 10, \$3.50; 24 to 30 in., each, 50c; per 10, \$4.00.

SUMACH (*Rhus*)

Fern-Leaved Staghorn Sumach (*Rhus Typhina laciniata*). 12 to 15 ft. One of the most tropical-looking native shrubs we possess. The foliage is finely cut and gives a delightful "fern effect" and is brilliantly colored in the fall. Its flowers are borne during June and July in dense panicles, followed by red fruits. 2 to 3 ft., each, 50c; per 10, \$4.00; 3 to 4 ft., each, 60c; per 10, \$5.00.

SNOWBERRY

Snowberry (*Symphoricarpos Racemosus*). 3 to 5 ft. Waxy white berries in fall. Does well in shade. 2 to 3 ft., each, 40c; per 10, \$3.50; 3 to 4 ft., each, 50c.

WINTERCREEPER (*Euonymus*)

This group of trailing *Euonymus* are valued for their dense evergreen foliage and hardness. They can be used for ground covers on terraces or under trees and are very effective when planted with Evergreens.

Bronze Wintercreeper (*Euonymus Radicans Colorata*). A fine new variety introduced by the Arnold Arboretum, with bright red foliage in winter. 3-year, 60c; 3-yr., B. & B., 85c; 4-yr., 75c; 4-yr., B. & B., \$1.00.

Bigleaf Wintercreeper (*Euonymus Radicans Vegetus*). This is our best hardy evergreen vine. It has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. 2-year, 60c; 2-year, B. & B., 85c; 3-year, 75c; 3-year, B. & B., \$1.00.

WITCH HAZEL (*Hamamelis*)

Winter-Blooming Witch-Hazel (*Hamamelis Vernalis*). 5 to 6 ft. Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00; 5 to 6 ft., specimens, B. & B., \$3.00.

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

Roses for Fall Planting

Hybrid Tea (or Everblooming) Roses

A Select List of Reliable and Hardy Varieties.

Ready about November 1st. If wanted by Parcel Post, remit 5c per plant for postage.

Autumn. (Coddington, 1928.) Unique coloring, burnt orange streaked and marked with red. Medium size bud, developing to double fragrant bloom. Each, \$1.00.

Etoile de Holland. A brilliant dark red rose of magnificent size and perfect form; very fragrant. One of the finest for garden planting. Each, 75c.

Gruss an Teplitz. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time.

Joanna Hill. (J. H. Hill Co., 1928.) A new yellow rose with an orange heart. Vigorous in growth, and blooms are borne singly on long, strong stems. Each, 75c; per 10, \$7.00.

Kaiserin Auguste Victoria. Well formed creamy buds developing slowly to snowy white blooms of perfect form.

Margaret McGredy. Comparatively new and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth.

Mme. Butterfly. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold.

Mme. Caroline Testout. Large flowers of satin rose shaded lighter towards the edges of enormous petals. A persistent bloomer.

Radiance. Brilliant rosy carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

Red Radiance. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting.

Souvenir de Claudius Pernet. Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green.

Talisman. (Montgomery Co., 1929.) A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals.

Prices of the above Hybrid Tea Roses, except where noted, 2-year, No. 1, dormant—each, 65c; per 10, \$6.00.

SPECIAL OFFER: One each of the above Hybrid Tea Roses, 12 plants for \$6.00. (Value, \$8.35.)

Hybrid Perpetual (or June) Roses

Frau Karl Druschki (White American Beauty). Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

Gen. Jacqueminot. Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

Georg Arends (Pink Druschki). Pointed buds and blooms of pure soft pink, delicately perfumed. Very vigorous grower with good foliage.

Paul Neyron. This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant.

Prices of the above Hybrid Perpetual Roses, 2-year, No. 1, dormant—each 65c; per 10, \$6.00.

SPECIAL OFFER: One each of the above June Roses, 4 plants for \$2.00. (Value, \$2.60.)

Hardy Climbing Roses

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.

Dorothy Perkins. Beautiful shell-pink double flowers in large clusters. Strong, vigorous growers, attaining a length of 20 feet in one season.

Excelsa. (Red Dorothy Perkins). Flowers very double, produced in large trusses, thirty to forty on a stem; light crimson. Vigorous.

Paul's Scarlet Climber. No other rose can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy. Usually blooms again in the fall.

Primrose. Its large, double flowers are a soft, rich primrose yellow, borne in clusters of 4 and 5. We believe the most satisfactory yellow climber for the north.

White Dorothy Perkins. The counterpart of the well-known Dorothy Perkins, but pure white.

Prices of above Hardy Climbing Roses, 2-year, No. 1, dormant, each, 65c; per 10, \$6.00.

SPECIAL OFFER: One each of Dorothy Perkins, Excelsa and White Dorothy Perkins; 3 plants for \$1.50. (Value, \$1.95.)

Ask for our leaflet "How to be Successful with Roses"



PATENTED ROSE GOLDEN CLIMBER

New Climbing Roses

Blaze (New Hardy Everblooming Scarlet Climbing Rose). U. S. Plant Patent No. 10. A new hardy climber which inherits the color of Paul's Scarlet Climber and the everblooming habit of Gruss an Teplitz. It is vigorous and will grow to considerable height and produce flowers on both the old and the new growth. 2 yr., \$1.50.

The New Dawn (The Everblooming Dr. Van Fleet). U. S. Plant Patent No. 1. Introduced in 1931. The first patented rose and the first everblooming climbing rose. A sport from Dr. Van Fleet having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. 2-year dormant, \$1.50.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 yr., 50c; per 10, \$4.00.

BOSTON IVY or JAPANESE CREEPER

(Ampelopsis Tricuspidata or Veitchii)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 yr., 50c; per 10, \$4.00; 3 yr., 70c; per 10, \$6.00.

CREEPER (Ampelopsis)

Engelman's Creeper (Ampelopsis Engelmanni). One of the hardiest, best and quickest growing climbers for the North and Northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2 yr., 40c; per 10, \$3.00; 3 yr., 50c; per 10, \$4.00.

SWEET AUTUMN CLEMATIS (Clematis Paniculata)

The finest small-flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2 yr., 50c; per 10, \$4.00; 3 yr., 60c; per 10, \$5.00.

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They should be pruned early in spring and require rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Henryi. Strong grower, flowers always eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2 yr., 75c; per 10, \$7.00.

NEW CLIMBING ROSES—Continued

Golden Climber. (Mrs. Arthur Curtiss James.) U. S. Plant Patent No. 28. A yellow climbing Rose with many new features: extreme hardiness, blooms of Hybrid tea type and quality, lasting color, and long stems. The buds are long pointed, rich gold with splashes of orange-scarlet, and open into magnificent semi-double flowers 4 to 5 inches in diameter. Blooms recurrent. Each, \$2.00.

Testimonial

La Grange, Ill., May 19, 1933.—Last fall I purchased some 40 or 50 dormant rose bushes from you which I planted about the 10th of November. Today, every one of the bushes are well on their way, as a matter of fact more than half of them already carry buds and will be in bloom in another couple of weeks. I am absolutely going on record that the time to plant roses is in the fall—at least in this locality.—C. H. C.

NEW PATENTED HYBRID TEA ROSES

Comtesse Vandal. (U. S. Plant Patent No. 38.) The sensation of shows and the most popular variety at the Century of Progress. Perfect pointed buds, opening to large blooms of coppery pink and gold. Of unusual vigor, it blooms unceasingly all summer until frost. \$1.00.

Mary Hart (Red Talisman). (U. S. Plant Patent No. 8.) A unique sport of Talisman, strikingly beautiful and a heavy bloomer. Maroon-red buds, opening to well-formed blossoms of deep, velvety, blood red; excellent for cutting. A stronger grower and better producer than Talisman. \$1.00.

Souvenir (Golden Talisman). (U. S. Plant Patent No. 25.) One of the most beautiful golden colored Roses ever grown. A superb garden variety and a prolific producer of rich, deep golden yellow, fragrant flowers for cutting. \$1.00.

NIGRETTE, the Famous Black Rose, and a complete list of Roses, including Tree Roses, will be found in our Spring Catalog, ready about Jan. 1st.

Vines for Fall Planting

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season. 2 yr., 75c; per 10, \$7.00.

Mad. Edward Andre. Flowers large, of a very beautiful bright velvety red, very free-flowering and continuous bloomer. 2 yr., 75c; per 10, \$7.00.

Gold Medal Collection. One 2-yr. old roots, each, Jackmani, Henryi and Mad. Edward Andre, \$2.00.

DUTCHMAN'S PIPE

A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and adaptable to practically every situation, thriving in any soil, in sun or shade. 2 yr., 75c; per 10, \$6.50.

HONEYSUCKLE (Lonicera)

Everblooming Honeysuckle (Lonicera Heckrottii). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 60c; per 10, \$5.00; 3 yr., 75c; per 10, \$6.50.

Trumpet Honeysuckle (Lonicera Sempervirens). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 50c; per 10, \$4.00; 3 yr., 60c; per 10, \$5.00.

HALL'S JAPANESE HONEYSUCKLE

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloomer of all. 2 yr., 50c; per 10, \$4.00; 3 yr., 60c; per 10, \$5.00.

WISTERIA

American Purple Wisteria (Wisteria Magnifica). A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long pendulous racemes in advance of the opening of the foliage. 2 yr. extra strong, 50c; per 10, \$4.00; 3 yr., 65c; per 10, \$5.50; 4 yr., 90c; per 10, \$7.50.

Vaughan's Garden Tools and Requisites

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

FERTILIZERS (F. O. B. Chicago)

ADCO ARTIFICIAL STABLE MANURE. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 25 lb. bag, \$2.50, 150 lbs., \$11.50. Write for booklet.

BONE MEAL, Vaughan's "Rose Grower". Has been slightly steamed so that it can be ground fine, and is thus quicker in its action. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.65; 50 lbs., \$2.35; 100 lbs., \$3.65.

BONE MEAL, "Regular Grade." 25 lbs., \$1.50; 50 lbs., \$2.20; 100 lbs., \$3.50.

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., \$2.65; 500 lbs., \$10.75; 1,000 lbs., \$17.50; 2,000 lbs., \$34.00.

LOMA. Beautifies lawns and gardens. A scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash. Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must furnish the plant with Nitrogen. Cannot go by mail.

Price (subject to market changes), 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.65; 100 lbs., \$3.95. Write for prices on larger quantities.

SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.15; 50 lbs., \$1.50; 100 lbs., \$2.25; 500 lbs., \$10.00; 1,000 lbs., \$16.50; ton, \$32.00.

VAUGHAN'S LAWN AND GARDEN FERTILIZER 5-8-6. Composed of plant foods in mineral form, making it odorless and quicker acting. Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

VAUGHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each. Large pkg., 30c each. Mailing weight, small, 10 oz.; large, 17 oz. Each package contains full directions.

VIGORO. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125 and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 250 pounds the customer pays all freight or express charges.

INSECTICIDES AND FUNGICIDES

Insecticides containing Poison cannot be sent by mail.

Weights—By mail, ½ pt., 1 lb., pt., 2 lbs., qt., 3 lbs.
DRY LIME SULPHUR. For dormant spraying use 12 to 15 lbs. to 50 gals. water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.00.

EVERGREEN. Non-poisonous. Oz. bottle, 35c; 6 oz. can, \$1.00; pint, \$2.00; gal., \$12.00.

FISH OIL SOAP. An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. Per lb. 30c; 5 lbs., \$1.25.

FLOWERS OF SULPHUR. For mildew on roses, etc. Lb., 15c; 10 lbs., \$1.00; 25 lbs., \$2.00.

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. ½ pint, 30c; pint, 50c; quart, 85c; ½ gal., \$1.75; gal., \$2.50; 5 gals., \$10.00.

LIME-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best Autumn sprays. Qt. can, 45c; 1 gal., \$1.00; 5 gal. can, \$4.00.

SCALICIDE. An oil preparation for San Jose scale. Qt., 75c; gal., \$1.75; 5 gallons, \$6.25.

TOBACCO STEMS. For fumigating. 5 lbs., 25c; 100 lbs., \$2.50.

TOBACCO DUST. One of the best remedies for green and black aphids, fleas, beetles, etc., also for insects in the ground. Lb., 15c; 5 lbs., 40c; 10 lbs., 70c; 100 lbs., \$4.00.

VOLCK. Controls scale insects, mealy bug, white flies, red spiders, rust, mites, aphids and thrips. Pint, 55c; quart, 80c; gallon, \$2.50; 5 gallons, \$7.50.

KNIVES, Propagating. "The Vaughan," best of all. Each, \$1.50; by mail, \$1.55.

Budding and Propagating. Two blades, white handle. Each, \$1.75; by mail, \$1.80.

KNIVES, Pruning. Henckel No. 3 C. Each, \$2.50; by mail, \$2.60.

Imported Pruning. \$2.50; by mail, \$2.55.

LABELS, Wooden, for Pots.

	Per 100	1000
4 in., painted.	\$0.40	\$2.10
5 in., painted.	.45	2.60
Tree (copper wired) 3½ in.	.50	2.95

Heavy Wood Labels.—

For use outside, will last for years 16x1¼ in. Doz., 60c; 100 for \$4.00; 18x2 in. Doz., 75c; 100, \$5.00.

WIRE FRUIT PICKER.

A mechanical apple and fruit picker, so simple children can pick fruit with no danger. Without pole, price, 75c each; postpaid, 85c.

HOT-BED SASH

HOT-BED SASH. Unglazed, for 3 rows, 10-inch glass. Each, \$2.50; 3 for \$7.00; doz., \$24.00. Glazed, each, \$4.85; 3 for \$14.00; doz., \$51.00.

HOT-BED MATS

Milo Waterproof Hotbed Mats.

A combination of heavy weight burlap felt and absorbent pulp, cemented together with a specially prepared waterproof compound absolutely impervious to rain, sleet and snow; proof against frost; repellent to rats and mice. Easy to handle, wears for years. Size, 40x78 inches. Each, \$2.75; doz., \$26.00. Size, 76x76 inches. Each, 4.85; doz., 49.00.

CEL-O-GLASS

CEL-O-GLASS. Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, \$1.45; 25 ft. roll 3 ft. wide, \$9.75; 100 ft. roll, \$35.00.

SPRINKLERS, Scollay's Rubber.

Best sprinklers for plants, ferns, and flowers, holds 10 fluid ounces. Large \$1.45. By mail, \$1.50.

GLASS CUTTER, DIAMOND. Each, \$5.00.

GLASS CUTTER, RED DEVIL. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2½, double thick, for greenhouse and skylights. Price, per lb. (approximately 900), 70c; postage extra.

Siebert's Improved, ½ and ¾, price per lb., 70c.

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, \$1.75. Mailing weight, 1 lb.

WATERING POTS.—American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$4.85; 6 quart, \$5.35; 8 quart, \$6.00; 10 quart, \$6.35; 12 quart, \$6.75.

French Style. Oval, otherwise same make as above; 6 quart, \$5.95; 8 quart, \$6.35; 10 quart, \$6.75; 12 quart, \$7.35.

THERMOMETERS. Tin Case, 8-inch. Each, 45c. Cabinet Wood Case, 8-inch. Each, 75c.

Tin Case, standard grade tested, 8-inch, Each, \$1.75; Hotbed, Brass Point, Wooden Frame Each, \$2.50; Self-Registering with magnet to set it, 8-inch, registers highest and lowest temperature, Each, \$6.50.

White Porcelain Enameled. For in and outdoors and greenhouse with red spirit tube, easy to read. Each, 60c.

DOUBLE EDGE PRUNING SAWS. 16-inch, each, \$1.60; 18-inch, each, \$1.75; 20-inch, each, \$1.90.

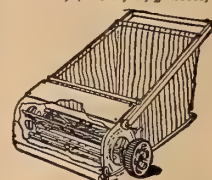
California curved pole pruning without pole, each, \$2.35.

Forester pruning saw, 26 inches long, for cutting long limbs, each, \$1.95.

Japanese Bamboo Broom Rake. Each, 45c.



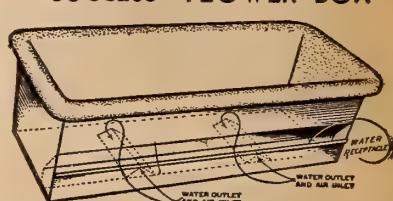
SHEARS (Pruning)—Best Grade, 9 in. each, \$1.65. Nickel-Plated 6-inch, each, \$1.45. Henckel, 8½ inch, \$3.75; 9½ inch, \$4.25.



LAWN SWEEPER

The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24-in. cut. Each, \$34.00.

"SUCCESS" FLOWER BOX



The "Success" Window Boxes are substantially constructed of galvanized sheetsteel, lock sealed and soldered watertight. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use.

Outside dimensions of Window Boxes:			
Length	Width	Depth	Price
24-in.	8½-in.	6½-in.	\$1.65
30-in.	8½-in.	6½-in.	1.85
36-in.	8½-in.	6½-in.	2.50
42-in.	8½-in.	6½-in.	3.00

PEAT MOSS—Granulated. A moisture retaining humus, an important aid in saving soil fertility. Better than manure. Garden size bale of about 6 bushels, \$2.25; larger bale of about 20 bushels, \$4.25.

PEAT. (Fern roots). Very useful for Orchids and Azaleas, per sack, about 2 bushels, \$3.75.

LEAF MOLD. Peck, 40c; Bushel Sack, \$1.00.

POTTING SOIL. This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 40c; bu., \$1.25; bbl., \$3.00.

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully but will not be responsible for breakages.

Doz.		Doz.	
2 in.	\$0.35	10 in.	\$1.25
2½ in.	.40	12 in.	1.70
3 in.	.50	14 in.	2.10
4 in.	.65	16 in.	2.50
5 in.	.85	18 in.	3.00

BULB PANS (RED)

Each Doz.		Each Doz.	
6 in.	\$0.15	8 in.	\$0.25
7 in.	.20	10 in.	.55



TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F.O.B. Chicago or New York.

No.	Each	Four	No.	Each	Four
1 6x6	\$0.70	\$2.60	9 14x13	\$1.80	\$6.80
3 8x8	.75	2.80	11 16x15	2.20	8.40
5 10x9	.95	3.60	13 18x17	3.00	11.60
7 12x11	1.40	5.40	14 19x18	3.65	14.00

If handles are required add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

WHEELBARROWS

WHEELBARROW—Vaughan Garden. The best in design, material and workmanship for the class of trade who desire the best. 2½-tire which permits easy wheeling of heavy loads. Price, \$6.95.

BROOMRAKE.

Made of spring wire. Each, \$1.25.



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HELPFUL DETAILS MAKING MAIL ORDERS CONVENIENT

Order at Once Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheet accompanying this catalog. One section is for seeds, bulbs and sundries (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for plants, shrubs and trees only.

Don't put plants and trees on the same section with bulbs and seeds.

Important Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the quantity required of bulbs, plants or trees, mentioning size where different sizes are offered, and carry out the price of each item.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form), odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. See table opposite showing postage you should add to insure free delivery. All poisonous Insecticides, are unavailable.

Express Service For most orders exceeding 20 pounds in weight and for plants requiring special packing, we urge that they be expressed. Mark order plainly if wanted by Express or Parcel Post.

Our Terms with customers not having an account are strictly cash with order. We make no C. O. D. shipments unless one-third of amount is paid in cash with order. No trees, plants or other perishable stock, are sent C. O. D.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If personal checks are used have them certified and add 15 cents for exchange cost. Put no currency in letter unless you register the same. Make money order payable to "Vaughan's Seed Store."

PARCEL POST Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table.

DOMESTIC PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.			
Local Chicago or New York City.....	7c.	1c. (2lbs.)	
First and Second Zone within 150 miles of either.....	8c.	1.1c.	
Third Zone within 150 to 300 miles.....	9c.	2.9c.	
Fourth Zone within 300 to 600 miles.....	10c.	3.5c.	
Fifth Zone within 600 to 1000 miles.....	11c.	5.3c.	
Sixth Zone within 1000 to 1400 miles.....	12c.	7c.	
Seventh Zone within 1400 to 1800 miles.....	14c.	9c.	
Eighth Zone all over 1800 miles.....	15c.	11c.	
Canada.....	14c.	14c.	

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. Mark your Zone Number on order.

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated.

SEND TO THE CITY NEAREST YOUR ADDRESS

VAUGHAN'S SEED STORE

10-12 W. Randolph Street, CHICAGO
47-49 Barclay Street, NEW YORK

Copyright 1934
by Vaughan's Seed Store

601 West Jackson Blvd., CHICAGO



NAME _____ Date _____ 19____

Write very plainly

Post Office _____ **State** _____

Street, P. O. Box
or Rural Delivery

D

Express or Freight Office { If different } Forward Goods by _____
 _____ from P. O. _____

Forward Goods by.....
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

**(SEND NO CASH OR
CURRENCY UNLESS
REGISTERED)**

Money Order \$.....

Draft or Check \$.....

Postage Stamps\$_____

Cash - - - \$_____

**Make Money Orders or Checks
Payable to Vaughan's Seed Store**

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

Table of PARCEL POST RATES to different zones, on other side.

Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CHICAGO.

We do not warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale at the moderate prices we charge.

VAUGHAN'S SEED STORE (Incorporated).

N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

[illegible]

601 West Jackson Blvd., CHICAGO



NAME _____ Date _____ 19____

Write very plainly

Post Office _____ State _____

Street, P. O. Box
or Rural Delivery.....

Express or Freight Office { If different }
from P. O.

Forward Goods by.....
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Money Order \$.....

Draft or Check \$.....

Postage Stamps\$.....

Cash - - - \$.....

**Make Money Orders or Checks
Payable to Vaughan's Seed Store**

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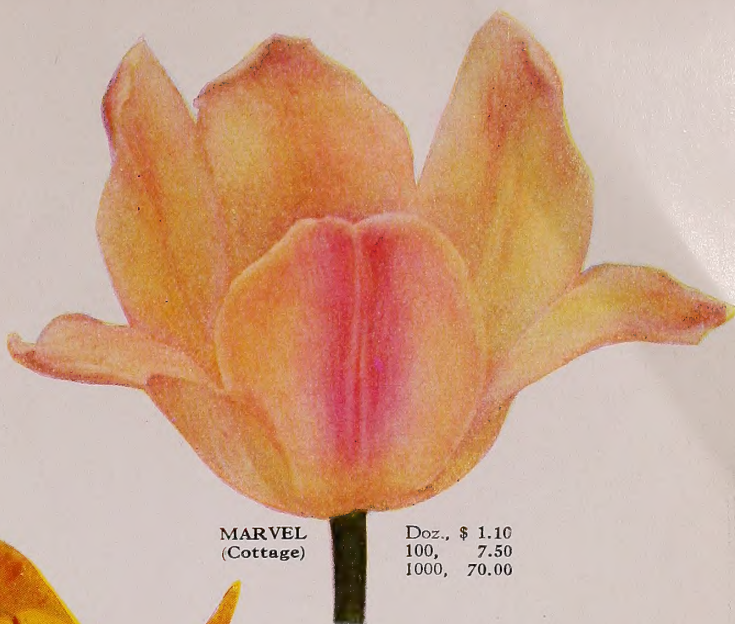
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(OVER)



NECTAR
(Cottage)

Doz., \$ 1.10
100, 7.50
1000, 70.00



MARVEL
(Cottage)

Doz., \$ 1.10
100, 7.50
1000, 70.00



ARGO
(Cottage)

Doz., \$ 1.00
100, 7.00
1000, 65.00



AFTERGLOW
(Darwin)

Doz., \$ 0.95
100, 6.50
1000, 60.00



PRINCE OF
ORANGE
(Breeder)

Doz., \$1.00
100, 7.00
1000, 65.00



BACCHUS
(Breeder)

Doz., \$ 1.10
100, 7.50
1000, 70.00



Gen.
DE
WET
(Early)

Doz., \$ 0.90
100, 6.25
1000, 57.50



DON PEDRO
(Breeder)

Doz., \$ 1.00
100, 7.00
1000, 65.00

Cover Collection No. 3

One each (8 bulbs) of the varieties illustrated on this page, separately labeled, postpaid **\$0.75**
Two each (16 bulbs) - - - - - \$1.40
Three each (24 bulbs) - - - - - 2.00
Six each (48 bulbs) - - - - - 3.90
Twelve each (96 bulbs) - - - - - 7.75



Most Beautiful of the Parrot Tulips

Tulip — Fantasy

3 for	\$ 0.50
6 for	.95
12 for	1.85
100 for	12.00

PREPAID

WHILE resembling the Parrot type in the extraordinary size of its blossoms, and its beautifully fringed and fluted petals, Fantasy is really unique, perhaps the forerunner of a new race. It has a straight, stiff stem, which most Parrots lack, and this makes it stand up in the borders instead of hanging its head. Fantasy originated as a sport of the famous Darwin tulip Clara Butt, and perhaps its greatest charm is the clear, true pink color of its forerunner. There are many tulip fanciers who regard Clara Butt as most beautiful of all because of this color. But while Clara Butt is a relatively small Darwin, each petal of a well grown specimen of Fantasy will measure three inches long and two inches across. On the back of each petal is a marking of emerald green. A group of Fantasy in your border will be a center of interest in the tulip season and a never failing attraction to garden visitors.

Daffodils for Naturalizing

DAFFODILS are the first major flowers to bloom in the spring. By nature they are informal flowers, and look best when grown in drifts, in the shrubbery or under trees. They like to nestle among the roots of shrubs, and as they bloom before the leaves develop, they thrive in places which later in the season are well shaded. Our naturalizing mixture is an exceptional value, containing many of the best named Trumpet, Leedsii, Star and Poeticus varieties. Plant them and do not disturb until they crowd; the bulbs may then be lifted and replanted over a much larger area. A purchase of bulbs is an investment which will pay in bloom for a lifetime.

12 Bulbs for	\$ 0.75
100 Bulbs for	5.00
1000 Bulbs for	45.00

PREPAID

Write for Special Prices on 10,000
Bulbs or More.

